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1979-80 REGIONAL TRANSPORTATION IMPROVEMENT PROGRAM

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For The Nine-County San Francisco Bay Area

Highway and Aeronautic Elements



April 1,1979

Metropolitan Transportation Commission

7902149

Metropolitan Transportation Commission

March 30, 1979

Judith Soley, Chairman
California Transportation Commission
P O Box 1139
Sacramento, CA 95805

ATTENTION: Mr. Mike Evanhoe, Executive Secretary

Dear Ms. Soley:

We are pleased to submit the Regional Transportation Improvement Program (RTIP) for the nine-county bay region in accordance with the requirements of Chapter 1106, Statutes of 1977 (AB 402). The RTIP was approved unanimously by the Metropolitan Transportation Commission (MTC) on March 28, 1979. The attached document contains: (1) a summary of the process used in the development of the RTIP, (2) MTC Resolution No. 645 adopting the RTIP, (3) revenue estimates, (4) a geographic listing of all highway and aviation projects, (5) a listing of high priority projects to be added to the State TIP, (6) a listing by priority of all highway and aviation projects, (7) the status of major transit programs, and (8) the air quality analysis of the RTIP.

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Recommendations for New Projects

An important part of this year's process was the development of high priority highway projects which MTC recommends be added to the State TIP. These projects were developed in close cooperation with the cities and counties in the San Francisco Bay Area. An indication of the success of this process in achieving a consensus was the unanimous vote of the Commission in adopting the RTIP. The projects which we recommend for addition to the State TIP are shown in Table 1 on the following page.

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Table 1

RECOMMENDED PROJECTS AND FUNDING
(Amounts in Millions)

Cost escalated to mid-year of the program - 1982

Priority	Project	1982 Cost	Cumulative Cost
PRIMARY			
1	Marin 101 HOV	$ 2.7(1)	$ 2.7
2	San Mateo 92/101	22.0(2)	24.7
3	Santa Clara 152	7.5	32.2
4	Sonoma 101	25.0(3)	57.2
5	Alameda 17/238	8.2	65.4
6	Solano 37	2.5	57.9
INTERSTATE			
1	Contra Costa I-180	3.9(4)	3.9
2	San Mateo 380	16.3	20.2
3	Alameda 580 HOV	1.4(5)	21.6

Footnotes:
(1) EIR, Design, Right-of-Way
(2) Also $16 million Bridge Replacement
(3) Full project cost - any downscoping potential to free up $ for Marin 101
(4) Possible $55 million Interstate acceleration per Caltrans
(5) EIR and Design

Recommendations for California Transportation Commission Process

The time allowed for the development of the 1979 TIP was short. The CTC should be commended not only for developing directions for the regions in such a short time, but also for being so responsive to the concerns of the local participants. We believe that this cooperative process is an essential part of an improved State Transportation Improvement Program.

We believe our experience in developing the 1979 RTIP has been helpful in identifying improvements that need to be made as we anticipate the 1980 TIP decisions. We would like to share what we have learned by offering the following suggestions to the CTC:

- We need an early and firm funding allocation estimate.
- We need to be able to define a selected few projects in advance of seeking project funding.

Allocations

Our credibility was stretched (just as the State's has been) by having to change the funding story each time we met with local government officials. This defect has to be remedied. We suggest:

1. The CTC should make its fund allocation according to AB 402 schedule, hopefully based on Caltrans' proposals, but deviating from Caltrans if necessary to be timely. This estimate should anticipate (even if it cannot do so with 100% accuracy) expected changes, rather than waiting for changes and continually revising estimates.

2. We request that CTC allocate the maximum amount of funds by formula to each region in order to encourage the most responsible decision-making at the local/regional level.

3. Any fund estimate guidelines should have as a first premise that past commitments are to be honored.

4. As a corollary to 3, we do not wish to treat any committed funds as if they are discretionary for the purpose of encouraging socalled competition. Such competition should be only for funds that are not already committed.

Project Definition

We appreciate Caltrans' need to limit work on designing new projects which may not have real funding prospects. Such management control is necessary. That management control needs to be extended, however, to consideration of certain exceptions. The selection of exceptions should be done by CTC based on recommendations by Caltrans and the regions.

In our 1979 TIP deliberations, we often found several multi-million dollar projects that cannot and often should not be funded standing in the way of performing work on a down-scoped or smaller substitute project. We were told that engineering will not be authorized to design new projects where the funding is not available to build the projects already on the shelf. But it is precisely because of the funding limitations that new -- more economical -- projects for the shelf must be developed. We urge CTC to define a mechanism to encourage careful development of that substitute selection of projects.

The present situation seems to generate misleading entries in the TIP in order for Caltrans to be able to do exploratory design work, often without consulting CTC or the region. The aim for the future is to have Caltrans work with the region on the definition and design of projects of particular significance to the whole transportation system. At this time, we request that Caltrans assist MTC in working on the following projects:

- Ala 580 HOV
- Marin 101 HOV
- Son 116/121
- SF 280/230 (and related decisions)
- CC 242
- SC 237

Conclusion

This region has developed a process in response to AB 402 requirements which will be expanded and improved upon in future years. We look forward to presenting the results of this year's RTIP to your Commission and to forging a continuing partnership in the development of future programs.

Sincerely,

Lawrence D Dahms

Lawrence D. Dahms
Executive Director

c: MTC Commissioners
County Boards of Supervisors: Alameda
Contra Costa
Marin
Napa
San Francisco
San Mateo
Santa Clara
Solano
Sonoma
Del Norte
Humboldt
Mendocino
Merced
Lake
San Benito

Airport Operators
Transit Districts
Caltrans District 04
Caltrans District 10

ABSTRACT

Resolution No. 645

Subject

Section 65080 of the Government Code, Chapter 1106, Statutes of 1977, requires that MTC annually prepare and adopt by April 1, highway and general aviation elements of the Regional Transportation Improvement Program for submission to the California Transportation Commission (CTC).

Summary of Actions Authorized/Directed by the Subject Resolution

This resolution approves highway and general aviation elements of the Regional Transportation Improvement Program (RTIP), FY 1979-80. This approval will permit the MTC to submit the RTIP to the CTC and the California Department of Transportation.

Re: Regional Transportation Improvement Program for Highway and General Aviation Elements for the Nine-County San Francisco Bay Area for FY 1979-80

METROPOLITAN TRANSPORTATION COMMISSION

RESOLUTION NO. 645

WHEREAS, the Metropolitan Transportation Commission (MTC) is a statutorily created regional transportation planning agency for the nine-county San Francisco Bay Area pursuant to Section 2, Title 7.1, commencing with Section 66500 of the Government Code, Chapter 891, Statutes of 1970; and

WHEREAS, the MTC is the designated regional transportation planning agency (RTPA) for the nine-county San Francisco Bay Area; and

WHEREAS, Section 66508 of the Government Code, Chapter 891, Statutes of 1970, and Section 65080 of the Government Code, Chapter 1106, Statutes of 1977, require the MTC to prepare and adopt a regional transportation plan; and

WHEREAS, the MTC has previously adopted and revised on an annual basis a Regional Transportation Plan (RTP); and

WHEREAS, Section 65080 of the Government Code, Chapter 1106, Statutes of 1977, requires the MTC to prepare and adopt a regional transportation improvement program (RTIP) after a public hearing and considering the relationship between the RTIP and the adopted RTP by the governing board or the designated policy committee of the MTC; and

WHEREAS, Section 14527 of the Government Code, Chapter 1106, Statutes of 1977, requires the MTC to prepare and adopt RTIP not later than April 1 of each year to include at a minimum highway and general aviation projects where funds are subject to allocation by the California Transportation Commission during the succeeding five years; and

WHEREAS, the MTC has developed, in cooperation with the state (Caltrans), operators of publicly-owned mass transportation services, and local governments a five year highway element of the RTIP for FY 1979-80; and

WHEREAS, the MTC has developed, in cooperation with the State (Caltrans), the Federal Aviation Administration, and the general aviation airport operators, a five year general aviation element of the RTIP for FY 1979-80; and

WHEREAS, the Regional Airport Planning Committee of the MTC and the Association of Bay Area Governments has adopted the aforementioned five year general aviation element of the RTIP for FY 1979-80; and

WHEREAS, the Work Program and Plan Revision Committee of the MTC has held on March 16, 1979, a public hearing on the five year highway and general aviation elements of the RTIP for FY 1979-80; and

WHEREAS, the Work Program and Plan Revision Committee of the MTC has recommended adoption of the highway and general aviation elements of the RTIP for FY 1979-80; now, therefore, be it

RESOLVED, that the Metropolitan Transportation Commission adopts the highway and general aviation elements of the Regional Transportation Improvement Program for submission to the California Transportation Commission, including the Annual Element, for the San Francisco Bay Area for FY 1979-80 and finds it consistent with the adopted Regional Transportation Plan; and be it further

RESOLVED, that the Regional Transportation Improvement Program shall be the first five years of the ten-year financial plan for the proposed regional highway and general aviation systems for the Regional Transportation Plan as required by Section 66512 of the Government Code; and be it further

RESOLVED, that the Metropolitan Transportation Commission's adoption of highway and general aviation elements of the Regional Transportation Improvement Program for FY 1978-79 shall not constitute project approval in context with the requirements of Government Code Section 66518 or the OMB Circular A-95 for projects in the Annual Element of the Transportation Improvement Program shall be accomplished in accordance with guidelines and procedures as set forth in the appendix to the Metropolitan Transportation Commission's adopted Regional Transportation Plan; and be it further

RESOLVED, that the Executive Director shall forward a copy of this resolution, a copy of the highway and general aviation elements of the Regional Transportation Improvement Program for the San Francisco Bay Area for FY 1979-80, and related information and data as may be required to the Chairman of the California Transportation Commission, the California Department of Transportation, and to such other agencies as may be appropriate.

METROPOLITAN TRANSPORTATION COMMISSION

James E. Self, Chairman

The above resolution was entered into by the Metropolitan Transportation Commission at a regular meeting of the Commission held in Oakland, California, on March 28, 1979.

MTC COMMISSIONERS

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Marin County

Lawrence D. Dahms
Executive Director

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INTRODUCTION

INTRODUCTION

PURPOSE

This submittal of the Metropolitan Transportation Commission's (MTC) Regional Transportation Improvement Program satisfies the requirements of Chapter 1106, Statutes of 1977 (AB 402). On March 28, 1979, the MTC unanimously approved the highway and aviation projects listed in the 1979 Regional Transportation Improvement Program (RTIP). The RTIP has been prepared and adopted in compliance with CTC guidelines and has used CTC fund estimates.

An important and significant part of this submittal is the list of high priority projects which MTC recommends for addition to the 1979 Preliminary State Transportation Improvement Program.

MTC PROCESS - HIGHWAY ELEMENT

General Description

The MTC process used to determine highway priorities was approved by the Work Program and Plan Revision Committee in November 1978. A basic assumption in the development of MTC highway priorities is that all highway projects which have been previously programmed in the existing Regional Transportation Improvement Program or the State Multi-Year Highway Program are considered as committed projects in the 1979 RTIP.

Fund estimates are provided to the MTC region by the California Transportation Commission. MTC received fund estimates to use for the development of the 1979 RTIP in December 1978. Passage of the Federal Surface Transportation Act and the finding of additional state monies led to revision of the estimates and method of allocation on March 8, 1979. The March 8 estimate forms the basis of the Metropolitan Transportation Commission's 1979 Regional Transportation Improvement Program. CTC estimates that the new construction funds available to the north counties amounts to $90 million. Of this amount, $21.6 million is for Federal Aid Interstate (FAI) projects and $67.4 million is for Federal Aid Primary (FAP) projects. Projects were selected based on the $90 million estimate.

The process employed by MTC to determine the candidate highway projects to be added to the TIP was shaped primarily by the limits of time and the objective to ensure that each county in the region was provided an opportunity to participate in the development of highway priorities. The process attempted to develop a program which is responsive to local concerns, directly in the identification of projects which can be supported by the region, and which would result in regional and local consensus. The MTC priorities process is a framework for a joint venture among MTC, Caltrans, and the

local agencies in each county which can be improved and expanded in the future. The steps in this year's process were as follows:

1. In January, the Boards of Supervisors were contacted. A letter was sent describing the priorities work being undertaken by MTC and identifying the amount and usability of discretionary monies available to our region according to the CTC estimates made in December 1978. Each Board was asked to submit by March 1, its top priority Federal Aid Interstate highway project and its first and second priority primary projects. The Boards were informed that MTC staff was working with staff of the counties and cities to provide information and assist in any way in making these determinations. MTC also provided the criteria to be used for the regional selection of RTIP projects.

2. During January and February, workshops were held in each county. In Santa Clara County, the highway priorities were developed as part of the process for the Santa Clara Valley Corridor Evaluation study. MTC staff met with county and city officials representing primarily public works departments but also including staff from planning departments. Local transit operators were also represented in some counties. MTC provided the following information.

   a. lists of major projects included in the 1979-1980 Preliminary State Transportation Improvement Program

   b. lists of unprogrammed highway projects for each county, drawn from Caltrans' Multi-Year Highway Program and Highway Inventory

      and

   c. Maps showing the locations of projects in a and b above from local planning studies.

3. By March 1, each County advised MTC of its Federal Aid Interstate and Non-Interstate highway priorities. MTC staff then developed information sheets for each project, on which were identified major problems and issues associated with the project's potential to be programmed.

CRITERIA

MTC used the following criteria in the development and selection of proposed RTIP projects.

1. Mandatory County Consensus

   - Approval by the Board of Supervisors
   - Community support (local financial support will also be a consideration)

2. Past Commission Actions

   - Contained in the Regional Transportation Plan
   - Corridor or special study

3. Projects Which Primarily Improve Effectiveness of Existing System

   - Usable segments
   - Operational improvements
   - Cost effectiveness

During the process, MTC staff developed background information and sponsored project review sessions in each county in order to assist the counties in selecting their highest priority projects. During that time, other factors were identified for consideration and these factors were also used in determining priorities. The most important of these factors are discussed briefly below:

- Project Definition and Timing

  Several of the best projects suffer from lack of definition. In concept, these projects fare well when judged by criteria listed above. But Caltrans does not yet have a firm project description, the project scope is unclear and the cost estimate speculative. In contrast, other projects are well along in design, scope definition, and cost estimating.

- Prospects for Additional Funding

  The CTC funding rules were formulated based on advice from Caltrans regarding the extent of funds available. Caltrans has identified additional funding, however, that is not contemplated in the CTC funding guidelines. In its most recently proposed STIP, Caltrans indicated that $16 million may be available from bridge replacement funds to help finance the 92/101 project and that $55 million may be available from advanced interstate funds to accelerate financing of the Hoffman Freeway.

- Support by Caltrans and CTC

  Finally, an important consideration in the final selection was the prospect of Caltrans and CTC support. Projects included by Caltrans in the most recent STIP proposal to CTC include:

  Caltrans Support Projects

  - Marin 101 HOV
  - San Mateo 92/101 Interchange
  - Contra Costa I-180 (Hoffman Freeway)
  - San Mateo I-380

  Projects having wide support in this region and support from the other regions were considered to have high potential for CTC support.

  Projects Supported by MTC and Other Regions

  - Santa Clara 152
  - Sonoma 101
  - Marin HOV

MTC PROCESS - AIRPORT ELEMENT

General Description

The Airport Element of the Regional Transportation Improvement Program was prepared with the cooperation of the local airport managers in the San Francisco Bay Area, the California Department of Transportation, and the Federal Aviation Administration.

At the beginning of the TIP process, the Bay Area general aviation airport managers were requested to submit an updated 5-year program for capital improvements on their airports. These projects were reviewed by MTC, together with the projects included in the proposed State Transportation Improvement Program, and a candidate list of eligible projects was prepared. The managers' program was then compared to the projected amount of funds which would be available.

The California Transportation Commission provided the following fund estimates for the California Aid to Airports Program (CAAP) program over the next five (5) years.

		THOUSANDS OF DOLLARS			
FY 79/80	FY 80/81	FY 81/82	FY 82/83	FY 83/84	TOTAL
$ 3,300	$ 3,300	$ 3,100	$ 2,600	$ 2,700	$15,000

The Bay Area's share of the CAAP funds was assumed to be proportional to the share of general aviation aircraft based in the region, compared to the total number of general aviation aircraft in the State.

Estimates of federal funds available for airport improvements were developed after consultation with the Federal Aviation Administration.

In a second meeting with the Bay Area general aviation managers, the draft of the recommended regional TIP was reviewed and revised. The regional TIP was submitted to the ABAG/MTC Regional Airport Planning Committee and approved on February 23, 1979. This document was then distributed for public review and comment as part of the MTC public hearing process.

Criteria

Because the proposed airport improvements exceeded the amount of funds available, projects were arranged in priority order according to the regional assessment of airport needs. These projects were initially prioritized according to the set of goals listed below:

GOAL A. Improve safety and efficiency of existing airports.
GOAL B. Maintain facilities at existing airports.
GOAL C. Improve air carrier reliever airports.
GOAL D. Protect existing airports from future encroachment and minimize adverse environmental impacts.
GOAL E. Acquire land now to meet future airport needs.
GOAL F. Expand aircraft parking space to meet existing and future requirements.
GOAL G. Construct new runways to provide training capacity and reduce runway congestion.

Also, in order to fulfill the Guidelines adopted by the California Transportation Commission, each project was given a ranking from 1 to 56, the lower numbers denoting the higher ranking. The individual project rankings were developed irrespective of project construction year and considered 1) the airport priority (a function of the level of activity and future role of the airport); and 2) project priority (a function of the type of project). The project ranking was determined by the product of the airport priority and project

priority. Within comparable numerical ranges, projects were individually ranked by MTC.

ADOPTION OF 1979 RTIP

Public Hearing

On March 16, 1979, the MTC Work Program and Plan Revision Committee held a Public Hearing to review the highway and airport projects under consideration for inclusion in the 1979 RTIP. Most of the testimony centered around the merits of the 21 highway projects which had been submitted to MTC by the counties. The total project cost of the 21 projects was over $400 million. There was also testimony heard on airports and comments from the public on transportation problems in general.

Committee Recommendations

On March 21, 1979, the Work Program and Plan Revision Committee reconvened. MTC staff presented an evaluation of the 21 highway projects, a set of recommendations, and the rationale which was used to select the projects. Also presented was the proposed program for airports for the region with the criteria used in selection of projects.

After discussion, the Committee unanimously approved the recommendations and sent them to the full Commission for approval and submission to CTC.

Commission Approval

On March 28, 1979, the Metropolitan Transportation Commission adopted MTC Resolution No. 645 which directs the Executive Director to forward to the CTC the highway and aviation elements of the Regional Transportation Plan.

Included in the submission are the MTC highway projects selected to compete for the $90 million additional funding estimates by CTC to be available for the 1979 RTIP. Listed in Priority order they are:

RECOMMENDED PROJECTS
AND FUNDING

(Amounts in Millions)

Cost escalated to mid-year of
the program - 1982

Priority	Project	1982 Cost	Cumulative Cost
PRIMARY			
1	Marin 101 HOV	$ 2.7(1)	$ 2.7
2	San Mateo 92/101	22.0(2)	24.7
3	Santa Clara 152	7.5	32.2
4	Sonoma 101	25.0(3)	57.2
5	Alameda 17/238	8.2	65.4
6	Solano 37	2.0	67.4
INTERSTATE			
1	Contra Costa I-180	3.9(4)	3.9
2	San Mateo 380	16.3	20.2
3	Alameda 580 HOV	1.4(5)	21.6

(1) EIR, Design, Right-of-way
(2) Also $16 million Bridge Replacement
(3) Full project cost - any downscoping potential to free up $ for Marin 101
(4) Possible $55 million interstate acceleration per Caltrans
(5) EIR and Design

REVENUE ESTIMATES

REVENUE ESTIMATES

Highway Funding

Funding estimates are provided to the MTC region by the California Transportation Commission (CTC). MTC was to receive fund estimates to use for the development of the RTIP no later than November, 1978. However, because it is the first year of operations of the newly formed CTC, the first estimates and method for allocation were given to MTC in December, 1978. Passage of the Federal Surface Transportation Act and the finding of additional state monies led to revision of the estimates and method of allocation on March 8. The March 8 estimate will form the basis of the Metropolitan Transportation Commission's 1979 Regional Transportation Improvement Program.

The distribution of funds follows the statutory requirements and the guidelines established by the CTC. The total construction funds, both federal and state, are first divided 40% for the north counties and 60% for the south counties. The funds are further divided with 70% of the funds allocated to Caltrans districts based on "needs" as determined by the 1977 needs study. The remaining 30% are allocated at the discretion of the CTC.

In December, the CTC estimates that the amount of discretionary funds in the north was $89 million. Of this amount, Caltrans has preliminarily programmed $46 million to this region. This is consistent with past allocations in which this region receives approximately 50% of the north funding.

Initially, CTC directed each region to submit projects to compete for the entire $89 million in discretionary funds. However, the new federal and state monies made this unnecessary, and the CTC revised the guidelines and directed the regions to compete for the "new" money. As a result, the region can count on all the projects in the Caltrans preliminary program.

CTC estimates that the new construction funds available to the north counties amounts to $90 million. Of this amount, $21.6 million is for Federal Aid Interstate (FAI) projects and $67.4 million is for Federal Aid Primary (FAP) projects. CTC has directed each region to submit projects to compete for these amounts. This region could get any amount from 0 to $90 million, depending on CTC's determination.

Table 1 shows the December estimates for California, plus the additional revenues announced by CTC on March 8. Table 2a shows the December estimate for the MTC region; Table 2b shows the March 8 fund categories for the additional $90 million for which the MTC region will program projects to compete with all other northern counties. The CTC will make the final decision on the selection of projects competing for the $90 million by July 1, 1979.

On February 21, the Administration (State) announced a new proposal for transportation funding. This proposal anticipates the fact that the Motor Vehicle Account will provide an additional $100 million and that the Federal Surface Transportation Act Funds contain an additional $270 million for California. These estimates were used by the CTC to determine the amount of new construction monies which would be available to be programmed in the 1979 STIP ($90 million for the north counties). The proposal also suggests that $16 million in federal discretionary bridge replacement funds and $118 million for "accelerated" interstate projects may be available. Under federal law, California can claim interstate funds which have not been obligated for use by other states.

TABLE 1

FIVE-YEAR SOURCE OF FUNDS FOR ENTIRE STATE**

STATEWIDE TOTAL

($ millions)

Fiscal Year	December Estimates from PSTIP 12/21/78 1979-80***	1980-81	1981-82	1982-83	1983-84	Sub-Total	CTC 3/8/79 Additions
Federal Interstate*	153	240	240	232	461	1,326	80
Federal Primary*	80	80	80	80	80	400	76
Other Federal*	198	185	185	185	195	948	116
All State	800	574	555	546	532	3,007	100
Total Resources	1,231	1,079	1,060	1,043	1,268	5,681	370
Non-Capital	650	677	698	711	729	3,465	
Capital Outlay	581	402	362	332	539	2,216	

---

*Does not include state matching funds
**Does not include toll bridge revenues
***Includes carryover

TABLE 2a

FIVE-YEAR SOURCE OF FUNDS FOR MTC REGION

($ millions)

Fiscal Year	1979-80	1980-81	1981-82	1982-83	1983-84	TOTAL
Interstate*	45.8	74.1	37.6	43.9	26.2	227.6
Primary*	38.5	9.9	23.5	10.8	6.8	89.5
Other Federal*	3.7	4.4	14.8	9.1	3.8	35.8
State Only	9.9	10.6	13.2	13.5	17.9	65.1
Special**	22.2	43.7	28.8	12.2	10.0	116.9
TOTAL	120.1	142.7	117.9	89.5	64.7	534.9

---

*Federal and state matching funds

**Principally toll bridge and Prop 5 reserve

TABLE 2b

3/8/79 ESTIMATES OF ADDITIONAL FUNDS ALLOCATED TO THE NORTHERN COUNTIES OVER NEXT 4 YEAR

($ millions)

Interstate	21.6
Primary	34.4
State Only	34.0
TOTAL	90.0

N.B. - These funds are not currently committed to the MTC region, but are available for the competition with other counties in Northern California.

Aeronautics Funding

The California Transportation Commission provided the following fund estimates for the California Aid to Airports Program (CAAP) program over the next five (5) years:

THOUSANDS OF DOLLARS

FY 79/80	FY 80/81	FY 81/82	FY 82/83	FY 83/84	TOTAL
$ 3,300	$ 3,300	$ 3,100	$ 2,600	$ 2,700	$15,000

The Bay Area's share of the CAAP funds was assumed to be proportional to the share of general aviation aircraft based in the region, compared to the total number of general aviation aircraft in the State.

PROPOSED ADDITIONS TO THE STATE TRANSPORTATION IMROVEMENT PROGRAM

RECOMMENDED PROJECTS
AND FUNDING

(Amounts in Millions)

Cost escalated to mid-year of
the program - 1982

Priority	Project	1982 Cost	Cumulative Cost
PRIMARY			
1	Marin 101 HOV	$ 2.7(1)	$ 2.7
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1	Contra Costa I-180	3.9(4)	3.9
2	San Mateo 380	16.3	20.2
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(1) EIR, Design, Right-of-way
(2) Also $16 million Bridge Replacement
(3) Full project cost - any downscoping potential to free up $ for Marin 101
(4) Possible $55 million interstate acceleration per Caltrans
(5) EIR and Design

HIGHWAY PROGRAM

• Geographic Listing

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MTC PROGRAM SUMMARIES

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

MTC REGION - HIGHWAY PROGRAMS

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
REHABILITATION							
HA1 Land and Buildings	Right-of-Way	$ 140	$	$	$	$	$ 140
	Construction	1,482	266	285	317	334	2,684
HA21 Bridge Reconstruction	Right-of-Way	100	18	42			160
	Construction	1,166	987	3,134	8,404	1,807	15,498
HA22 Roadway Reconstruction	Right-of-Way						
	Construction	4,855	1,859	3,964	5,433	3,272	19,383
HA23 Major Damage Restoration	Right-of-Way						
	Construction	101	66	66	67	68	368
HA25 Highway Planting Restoration	Right-of-Way						
	Construction	561	676	786	580	360	2,963
HA26 Rest Area Restoration	Right-of-Way						
	Contruction	1	1	16			18
HA3 Resurfacing	Right-of-Way						
	Construction	1,704	1,602	1,482	1,392	1,867	8,047
HA4 Protective Betterments	Right-of-Way	232			13		245
	Construction	4,049	2,756	2,111	6,228	2,432	17,576
TOTAL REHABILITATION		$ 14,391	$ 8,231	$ 11,886	$ 22,434	$ 10,140	$ 67,082
OPERATIONAL IMPROVEMENTS							
HB1 Safety Improvements	Right-of-Way	$ 2	$ 2	$ 3	$ 3	$ 1	$ 11
	Construction	2,975	2,670	2,532	2,943	2,755	13,875
HB311 Community Noise Attenuation	Right-of-Way						
	Construction	2,408	3,090	3,106	3,154	2,992	14,750
HB312 School Noise Attenuation	Right-of-Way						
	Construction	2,097					2,097
HB32 Highway Planting	Right-of-Way						
	Construction	1,526	2,073	2,601	2,287	1,640	10,127
HB33 Roadside Rest Areas	Right-of-Way				200	200	400
	Construction	364	617			6,093	7,074
HB34 Vista Points and Roadside Enhancement	Right-of-Way						
	Construction	398	134	194	206	227	1,159

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TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

MTC REGION - HIGHWAY PROGRAMS

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
OPERATIONAL IMPROVEMENTS (continued)							
HB42	Right-of-Way	2,700					2,700
Freeway Congestion Improvements	Construction	2,094	3,707	2,747	1,579	966	11,093
HB43	Right-of-Way	1,634	160				1,794
Freeway Traffic Service	Construction	8,176	979	3,716	1,167	2,691	16,729
HB44	Right-of-Way	1	13	6	6	7	33
Conventional Highway/Expressway Operational Improvements	Construction	1,843	1,134	1,318	1,153	1,594	7,042
TOTAL OPERATIONAL IMPROVEMENTS		$ 26,218	$ 14,579	$ 16,223	$ 12,698	$ 19,166	$ 88,884
NEW FACILITIES							
HE11	Right-of-Way	$ 1,105	$ 1,087	$ 621	$ 679	$ 693	$ 4,185
New Connections & Cross-Traffic Improvements	Construction	85	192	1,700	2,322	1,866	6,165
HE12	Right-of-Way		1,030				1,030
Upgraded Facilities	Construction			38,630			38,630
HE13	Right-of-Way	110					110
Lane Additions	Construction	250		2,500			2,750
HE14	Right-of-Way	8,980	8,209	3,542		136	20,867
New Highway	Construction	52,940	60,630	89,251	36,237	16,830	255,888
HE3	Right-of-Way						
Bicycle Facilities	Construction	320	616	391	684	299	2,310
TOTAL NEW FACILITIES		$ 63,790	$ 71,764	$ 136,635	$ 39,922	$ 19,824	$ 331,935
MB22 - HIGHWAY/GUIDEWAY DECISION RESERVE	Total	1,800	4,500	5,600	5,000	5,700	22,600
TOTAL STATE PROGRAMS		$ 106,199	$ 99,074	$ 170,344	$ 80,054	$ 54,830	$ 510,501
LOCAL ASSISTANCE							
Federal Aid Urban (FAU)	Total	$ 81,874	$ 33,982	$ 24,780	$ 18,318	$ 26,489	$ 185,443
Federal Aid Secondary (FAS)	Total	2,673	450	400			3,523
Federal Aid Safer Off System (SOS)	Total	1,308					1,308
TOTAL LOCAL ASSISTANCE		$ 85,855	$ 34,432	$ 25,180	$ 18,318	$ 26,489	$ 190,274
PROGRAMS GRAND TOTAL		$ 192,054	$ 133,506	$ 195,524	$ 98,372	$ 81,319	$ 700,775

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

Alameda County - Highway Programs
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
REHABILITATION							
HA1 Land and Buildings	Right-of-Way Construction	$ 140 702	$ 64	$ 68	$ 75	$ 81	$ 140 990
HA21 Bridge Reconstruction	Right-of-Way Construction	376	16	607	18	20	1,037
HA22 Roadway Reconstruction	Right-of-Way Construction	78	131	131	2,492	2,023	4,855
HA23 Major Damage Restoration	Right-of-Way Construction	66	40	40	41	42	229
HA25 Highway Planting Restoration	Right-of-Way Construction		100	250	290		640
HA26 Rest Area Restoration	Right-of-Way Contruction						
HA3 Resurfacing	Right-of-Way Construction	300	200	250			750
HA4 Protective Betterments	Right-of-Way Construction	232 2,411	848	497	13 5,722	348	245 9,826
TOTAL REHABILITATION		$ 4,305	$ 1,399	$ 1,843	$ 8,651	$ 2,514	$ 18,712
OPERATIONAL IMPROVEMENTS							
HB1 Safety Improvements	Right-of-Way Construction	$ 1,002	$ 368	$ 386	$ 410	$ 417	$ 2,583
HB311 Community Noise Attenuation	Right-of-Way Construction		680	680	693	706	2,759
HB312 School Noise Attenuation	Right-of-Way Construction	710					710
HB32 Highway Planting	Right-of-Way Construction	370	2	315	464	540	1,691
HB33 Roadside Rest Areas	Right-of-Way Construction					2,040	2,040
HB34 Vista Points and Roadside Enhancement	Right-of-Way Construction	100	30	60	60	70	320

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TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

Alameda County - Highway Programs
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
OPERATIONAL IMPROVEMENTS (continued)							
HB42 Freeway Congestion Improvements	Right-of-Way Construction	1,481	81	1,051	1,252	89	3,954
HB43 Freeway Traffic Service	Right-of-Way Construction	421	104	104	106	1,587	2,322
HB44 Conventional Highway/Expressway Operational Improvements	Right-of-Way Construction	164	168	168	170	594	1,264
TOTAL OPERATIONAL IMPROVEMENTS		$ 4,248	$ 1,433	$ 2,764	$ 3,155	$ 6,043	$ 17,643
NEW FACILITIES							
HE11 New Connections & Cross-Traffic Improvements	Right-of-Way Construction	$ 260 85	$ 170 192	$ 140 1,240	$ 155 52	$ 160 1,496	$ 885 3,065
HE12 Upgraded Facilities	Right-of-Way Construction			8,200			8,200
HE13 Lane Additions	Right-of-Way Construction						
HE14 New Highway	Right-of-Way Construction	4,570 5,620	6,690 60,630	2,960 19,810	33,440		14,220 119,500
HE3 Bicycle Facilities	Right-of-Way Construction	150		118	71	81	420
TOTAL NEW FACILITIES		$ 10,685	$ 67,682	$ 32,468	$ 33,718	$ 1,737	$ 146,290
MB22 - HIGHWAY/GUIDEWAY DECISION RESERVE	Total	-0-	-0-	-0-	-0-	-0-	-0-
TOTAL STATE PROGRAMS		$ 19,238	$ 70,514	$ 37,075	$ 45,524	$ 10,294	$ 182,645
LOCAL ASSISTANCE							
Federal Aid Urban (FAU)	Total	$ 7,768	$ 4,143	$ 2,400	$ 2,879	$ 6,293	$ 23,483
Federal Aid Secondary (FAS)	Total	773	-0-	-0-	-0-	-0-	773
Federal Aid Safer Off System (SOS)	Total	402	-0-	-0-	-0-	-0-	402
TOTAL LOCAL ASSISTANCE		$ 8,943	$ 4,143	$ 2,400	$ 2,879	$ 6,293	$ 24,658
PROGRAMS GRAND TOTAL		$ 28,181	$ 74,657	$ 39,475	$ 48,403	$ 16,587	$ 207,303

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

Contra Costa County - Highway Programs
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
REHABILITATION							
HA1 Land and Buildings	Right-of-Way Construction	$ 633	$ 17	$ 17	$ 18	$ 21	$ 706
HA21 Bridge Reconstruction	Right-of-Way Construction	55	231	914	1,721	1,221	4,142
HA22 Roadway Reconstruction	Right-of-Way Construction	2,979	1,276	3,546	106	107	8,014
HA23 Major Damage Restoration	Right-of-Way Construction	35	26	26	26	26	139
HA25 Highway Planting Restoration	Right-of-Way Construction					360	360
HA26 Rest Area Restoration	Right-of-Way Contruction						
HA3 Resurfacing	Right-of-Way Construction						
HA4 Protective Betterments	Right-of-Way Construction	153	232	121	146	1,293	1,945
TOTAL REHABILITATION		$ 3,855	$ 1,782	$ 4,624	$ 2,017	$ 3,028	$ 15,306
OPERATIONAL IMPROVEMENTS							
HB1 Safety Improvements	Right-of-Way Construction	$ 454	$ 415	$ 309	$ 328	$ 334	$ 1,840
HB311 Community Noise Attenuation	Right-of-Way Construction	1,238	443	459	450	236	2,826
HB312 School Noise Attenuation	Right-of-Way Construction	250					250
HB32 Highway Planting	Right-of-Way Construction	350	740	353	237		1,680
HB33 Roadside Rest Areas	Right-of-Way Construction						
HB34 Vista Points and Roadside Enhancement	Right-of-Way Construction	100	30	50	60	60	300

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TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

Contra Costa County - Highway Programs
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
OPERATIONAL IMPROVEMENTS (continued)							
HB42	Right-of-Way						
Freeway Congestion Improvements	Construction	158	29	1,399	29	32	1,647
HB43	Right-of-Way	769	160				929
Freeway Traffic Service	Construction	7,626	339	3,170	944	986	13,065
HB44	Right-of-Way						
Conventional Highway/Expressway Operational Improvements	Construction	33	33	183	34	35	318
TOTAL OPERATIONAL IMPROVEMENTS		$ 10,978	$ 2,189	$ 5,923	$ 2,082	$ 1,683	$ 22,855
NEW FACILITIES							
HE11	Right-of-Way	$ 157	$ 126	$ 103	$ 113	$ 115	$ 614
New Connections & Cross-Traffic Improvements	Construction			460			460
HE12	Right-of-Way						
Upgraded Facilities	Construction						
HE13	Right-of-Way						
Lane Additions	Construction						
HE14	Right-of-Way	4,160	65				4,225
New Highway	Construction	9,550				2,210	11,760
HE3	Right-of-Way						
Bicycle Facilities	Construction		120	20	53	60	253
TOTAL NEW FACILITIES		$ 13,867	$ 311	$ 583	$ 166	$ 2,385	$ 17,312
MB22 - HIGHWAY/GUIDEWAY DECISION RESERVE	Total	-0-	-0-	-0-	-0-	-0-	-0-
TOTAL STATE PROGRAMS		$ 28,700	$ 4,282	$ 11,130	$ 4,265	$ 7,096	$ 55,473
LOCAL ASSISTANCE							
Federal Aid Urban (FAU)	Total	$ 7,748	$ 4,395	$ 3,400	$ 1,650	$ 867	$ 18,060
Federal Aid Secondary (FAS)	Total	650	450	400	-0-	-0-	1,500
Federal Aid Safer Off System (SOS)	Total	300	-0-	-0-	-0-	-0-	300
TOTAL LOCAL ASSISTANCE		$ 8,698	$ 4,845	$ 3,800	$ 1,650	$ 867	$ 19,860
PROGRAMS GRAND TOTAL		$ 37,398	$ 9,127	$ 14,930	$ 5,915	$ 7,963	$ 75,333

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TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

Marin County - Highway Programs
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
REHABILITATION							
HA1 Land and Buildings	Right-of-Way Construction	$	$	$	$	$	$
HA21 Bridge Reconstruction	Right-of-Way Construction	202	621	1,494	26	28	2,371
HA22 Roadway Reconstruction	Right-of-Way Construction						
HA23 Major Damage Restoration	Right-of-Way Construction						
HA25 Highway Planting Restoration	Right-of-Way Construction						
HA26 Rest Area Restoration	Right-of-Way Contruction						
HA3 Resurfacing	Right-of-Way Construction		580		310	510	1,400
HA4 Protective Betterments	Right-of-Way Construction	—	1,004	46	47	48	1,145
TOTAL REHABILITATION		$ 202	$ 2,205	$ 1,540	$ 383	$ 586	$ 4,916
OPERATIONAL IMPROVEMENTS							
HB1 Safety Improvements	Right-of-Way Construction	$	$	$	$	$	$
HB311 Community Noise Attenuation	Right-of-Way Construction		83	83	89	91	346
HB312 School Noise Attenuation	Right-of-Way Construction						
HB32 Highway Planting	Right-of-Way Construction			23	447	1,100	1,570
HB33 Roadside Rest Areas	Right-of-Way Construction						
HB34 Vista Points and Roadside Enhancement	Right-of-Way Construction						

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TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

Marin County - Highway Programs
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
OPERATIONAL IMPROVEMENTS (continued)							
HB42	Right-of-Way	2,700					2,700
Freeway Congestion Improvements	Construction					530	530
HB43	Right-of-Way	790					790
Freeway Traffic Service	Construction	70	20	20	21	21	152
HB44	Right-of-Way						
Conventional Highway/Expressway Operational Improvements	Construction	263	33	33	34	35	398
TOTAL OPERATIONAL IMPROVEMENTS		$ 3,823	$ 136	$ 159	$ 591	$ 1,777	$ 6,486
NEW FACILITIES							
HE11	Right-of-Way	39	29	22	23	23	136
New Connections & Cross-Traffic Improvements	Construction						
HE12	Right-of-Way						
Upgraded Facilities	Construction						
HE13	Right-of-Way						
Lane Additions	Construction						
HE14	Right-of-Way						
New Highway	Construction						
HE3	Right-of-Way						
Bicycle Facilities	Construction		240		220		460
TOTAL NEW FACILITIES		$ 39	$ 269	$ 22	$ 243	$ 23	$ 596
MB22 - HIGHWAY/GUIDEWAY DECISION RESERVE	Total	-0-	-0-	-0-	-0-	-0-	-0-
TOTAL STATE PROGRAMS		$ 4,064	$ 2,610	$ 1,721	$ 1,217	$ 2,386	$ 11,998
LOCAL ASSISTANCE							
Federal Aid Urban (FAU)	Total	$ 1,319	$ 1,128	$ 1,128	$ 1,128	$ 1,128	$ 5,831
Federal Aid Secondary (FAS)	Total	550	-0-	-0-	-0-	-0-	550
Federal Aid Safer Off System (SOS)	Total	283	-0-	-0-	-0-	-0-	283
TOTAL LOCAL ASSISTANCE		$ 2,152	$ 1,128	$ 1,128	$ 1,128	$ 1,128	$ 6,664
PROGRAMS GRAND TOTAL		$ 6,216	$ 3,738	$ 2,849	$ 2,345	$ 3,514	$ 18,662

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

Napa County - Highway Programs
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
REHABILITATION							
HA1 Land and Buildings	Right-of-Way	$	$	$	$	$	$
	Construction	48					48
HA21 Bridge Reconstruction	Right-of-Way	100					100
	Construction	460					460
HA22 Roadway Reconstruction	Right-of-Way						
	Construction						
HA23 Major Damage Restoration	Right-of-Way						
	Construction						
HA25 Highway Planting Restoration	Right-of-Way						
	Construction			330			330
HA26 Rest Area Restoration	Right-of-Way						
	Contruction						
HA3 Resurfacing	Right-of-Way						
	Construction	250	68	371	34	17	740
HA4 Protective Betterments	Right-of-Way						
	Construction						
TOTAL REHABILITATION		$ 858	$ 68	$ 701	$ 34	$ 17	$ 1,678
OPERATIONAL IMPROVEMENTS							
HB1 Safety Improvements	Right-of-Way	$	$	$	$	$	$
	Construction	95	466	489	519	529	2,098
HB311 Community Noise Attenuation	Right-of-Way						
	Construction		66	66	71	73	276
HB312 School Noise Attenuation	Right-of-Way						
	Construction						
HB32 Highway Planting	Right-of-Way						
	Construction				150		150
HB33 Roadside Rest Areas	Right-of-Way						
	Construction						
HB34 Vista Points and Roadside Enhancement	Right-of-Way						
	Construction						

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TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

Napa County - Highway Programs
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
OPERATIONAL IMPROVEMENTS (continued)							
HB42 Freeway Congestion Improvements	Right-of-Way Construction						
HB43 Freeway Traffic Service	Right-of-Way Construction						
HB44 Conventional Highway/Expressway Operational Improvements	Right-of-Way Construction	22	22	22	23	23	112
TOTAL OPERATIONAL IMPROVEMENTS		$ 117	$ 554	$ 555	$ 763	$ 625	$ 2,614
NEW FACILITIES							
HE11 New Connections & Cross-Traffic Improvements	Right-of-Way Construction	$	$	$	$	$	$
HE12 Upgraded Facilities	Right-of-Way Construction						
HE13 Lane Additions	Right-of-Way Construction						
HE14 New Highway	Right-of-Way Construction						
HE3 Bicycle Facilities	Right-of-Way Construction						
TOTAL NEW FACILITIES		$ -0-	$ -0-	$ -0-	$ -0-	$ -0-	$ -0-
MB22 - HIGHWAY/GUIDEWAY DECISION RESERVE	Total	-0-	-0-	-0-	-0-	-0-	-0-
TOTAL STATE PROGRAMS		$ 975	$ 622	$ 1,256	$ 797	$ 642	$ 4,292
LOCAL ASSISTANCE							
Federal Aid Urban (FAU)	Total	$ 424	$ 86	$ 480	$ -0-	$ 981	$ 1,971
Federal Aid Secondary (FAS)	Total	-0-	-0-	-0-	-0-	-0-	-0-
Federal Aid Safer Off System (SOS)	Total	-0-	-0-	-0-	-0-	-0-	-0-
TOTAL LOCAL ASSISTANCE		$ 424	$ 86	$ 480	$ -0-	$ 981	$ 1,971
PROGRAMS GRAND TOTAL		$ 1,399	$ 708	$ 1,736	$ 797	$ 1,623	$ 6,263

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

City & County of San Francisco - Highway Programs
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
REHABILITATION							
HA1 Land and Buildings	Right-of-Way Construction	$ 39	$ 51	$ 57	$ 59	$ 62	$ 268
HA21 Bridge Reconstruction	Right-of-Way Construction						
HA22 Roadway Reconstruction	Right-of-Way Construction	34	34	34	34	34	170
HA23 Major Damage Restoration	Right-of-Way Construction						
HA25 Highway Planting Restoration	Right-of-Way Construction	270					270
HA26 Rest Area Restoration	Right-of-Way Contruction						
HA3 Resurfacing	Right-of-Way Construction	80		240			320
HA4 Protective Betterments	Right-of-Way Construction	600	39	20	126	21	806
TOTAL REHABILITATION		$ 1,023	$ 124	$ 351	$ 219	$ 117	$ 1,834
OPERATIONAL IMPROVEMENTS							
HB1 Safety Improvements	Right-of-Way Construction	$	$ 172	$ 180	$ 190	$ 195	$ 737
HB311 Community Noise Attenuation	Right-of-Way Construction		336	336	339	345	1,356
HB312 School Noise Attenuation	Right-of-Way Construction	920					920
HB32 Highway Planting	Right-of-Way Construction						
HB33 Roadside Rest Areas	Right-of-Way Construction						
HB34 Vista Points and Roadside Enhancement	Right-of-Way Construction						

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TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

City & County of San Francisco - Highway Programs
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
OPERATIONAL IMPROVEMENTS (continued)							
HB42 Freeway Congestion Improvements	Right-of-Way Construction	$ 125	$ 127	$ 127	$ 128	$ 138	$ 645
HB43 Freeway Traffic Service	Right-of-Way Construction						
HB44 Conventional Highway/Expressway Operational Improvements	Right-of-Way Construction						
TOTAL OPERATIONAL IMPROVEMENTS		$ 1,045	$ 635	$ 643	$ 657	$ 678	$ 3,658
NEW FACILITIES							
HE11 New Connections & Cross-Traffic Improvements	Right-of-Way Construction	$ 245	$ 440	$ 90	$ 100 2,270	$ 100	$ 975 2,270
HE12 Upgraded Facilities	Right-of-Way Construction						
HE13 Lane Additions	Right-of-Way Construction						
HE14 New Highway	Right-of-Way Construction						
HE3 Bicycle Facilities	Right-of-Way Construction						
TOTAL NEW FACILITIES		$ 245	$ 440	$ 90	$ 2,370	$ 100	$ 3,245
MB22 - HIGHWAY/GUIDEWAY DECISION RESERVE	Total	1,300	1,400	1,500	1,600	1,700	7,500
TOTAL STATE PROGRAMS		$ 3,613	$ 2,599	$ 2,584	$ 4,846	$ 2,595	$ 16,237
LOCAL ASSISTANCE							
Federal Aid Urban (FAU)	Total	$ 16,896	$ 7,335	$ 4,257	$ 3,809	$ 6,055	$ 38,352
Federal Aid Secondary (FAS)	Total	-0-	-0-	-0-	-0-	-0-	-0-
Federal Aid Safer Off System (SOS)	Total	225	-0-	-0-	-0-	-0-	225
TOTAL LOCAL ASSISTANCE		$ 17,121	$ 7,335	$ 4,257	$ 3,809	$ 6,055	$ 38,577
PROGRAMS GRAND TOTAL		$ 20,734	$ 9,934	$ 6,841	$ 8,655	$ 8,650	$ 54,814

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TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

San Mateo County - Highway Programs
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
REHABILITATION							
HA1 Land and Buildings	Right-of-Way						
	Construction	$ 26	$ 42	$ 45	$ 49	$ 53	$ 215
HA21 Bridge Reconstruction	Right-of-Way						
	Construction						
HA22 Roadway Reconstruction	Right-of-Way						
	Construction	24	79	26	2,662	905	3,696
HA23 Major Damage Restoration	Right-of-Way						
	Construction						
HA25 Highway Planting Restoration	Right-of-Way						
	Construction	290	353	85			728
HA26 Rest Area Restoration	Right-of-Way						
	Contruction						
HA3 Resurfacing	Right-of-Way						
	Construction	650	210	240	660	350	2,110
HA4 Protective Betterments	Right-of-Way						
	Construction	456	213	41	42	157	909
TOTAL REHABILITATION		$ 1,446	$ 897	$ 437	$ 3,413	$ 1,465	$ 7,658
OPERATIONAL IMPROVEMENTS							
HB1 Safety Improvements	Right-of-Way						
	Construction	$ 165	$ 123	$ 129	$ 137	$ 139	$ 693
HB311 Community Noise Attenuation	Right-of-Way						
	Construction		154	154	157	161	626
HB312 School Noise Attenuation	Right-of-Way						
	Construction						
HB32 Highway Planting	Right-of-Way						
	Construction	116	1	1,642	17		1,776
HB33 Roadside Rest Areas	Right-of-Way						
	Construction						
HB34 Vista Points and Roadside Enhancement	Right-of-Way						
	Construction						

(continued on next page)

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

San Mateo County - Highway Programs
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
OPERATIONAL IMPROVEMENTS (continued)							
HB42 Freeway Congestion Improvements	Right-of-Way Construction	253	93	93	93	93	625
HB43 Freeway Traffic Service	Right-of-Way Construction	5	234	4	4	4	251
HB44 Conventional Highway/Expressway Operational Improvements	Right-of-Way Construction	358	223	223	226	231	1,261
TOTAL OPERATIONAL IMPROVEMENTS		$ 897	$ 828	$ 2,245	$ 634	$ 628	$ 5,232
NEW FACILITIES							
HE11 New Connections & Cross-Traffic Improvements	Right-of-Way Construction	$ 167	$ 141	$ 114	$ 125	$ 126	$ 673
HE12 Upgraded Facilities	Right-of-Way Construction			22,000			22,000
HE13 Lane Additions	Right-of-Way Construction	110 250					110 250
HE14 New Highway	Right-of-Way Construction			16,300			16,300
HE3 Bicycle Facilities	Right-of-Way Construction			234	290	102	626
TOTAL NEW FACILITIES		$ 527	$ 141	$ 38,648	$ 415	$ 228	$ 39,959
MB22 - HIGHWAY/GUIDEWAY DECISION RESERVE	Total	-0-	-0-	-0-	-0-	-0-	-0-
TOTAL STATE PROGRAMS		$ 2,870	$ 1,866	$ 41,330	$ 4,462	$ 2,321	$ 52,849
LOCAL ASSISTANCE							
Federal Aid Urban (FAU)	Total	$ 11,895	$ 3,300	$ 3,198	$ 3,144	$ 2,994	$ 24,531
Federal Aid Secondary (FAS)	Total	-0-	-0-	-0-	-0-	-0-	-0-
Federal Aid Safer Off System (SOS)	Total	28	-0-	-0-	-0-	-0-	28
TOTAL LOCAL ASSISTANCE		$ 11,923	$ 3,300	$ 3,198	$ 3,144	$ 2,994	$ 24,559
PROGRAMS GRAND TOTAL		$ 14,793	$ 5,166	$ 44,528	$ 7,606	$ 5,315	$ 77,408

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

Santa Clara County - Highway Programs
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
REHABILITATION							
HA1 Land and Buildings	Right-of-Way	$	$	$	$	$	$
	Construction		35	38	41	45	159
HA21 Bridge Reconstruction	Right-of-Way						
	Construction	71					71
HA22 Roadway Reconstruction	Right-of-Way						
	Construction	142	60	113	61	117	493
HA23 Major Damage Restoration	Right-of-Way						
	Construction						
HA25 Highway Planting Restoration	Right-of-Way						
	Construction		130	100	290		520
HA26 Rest Area Restoration	Right-of-Way						
	Contruction						
HA3 Resurfacing	Right-of-Way						
	Construction		366	27	18	9	420
HA4 Protective Betterments	Right-of-Way						
	Construction	168	97	311	52	54	682
TOTAL REHABILITATION		$ 381	$ 688	$ 589	$ 462	$ 225	$ 2,345
OPERATIONAL IMPROVEMENTS							
HB1 Safety Improvements	Right-of-Way						
	Construction	$ 691	$ 502	$ 345	$ 633	$ 370	$ 2,541
HB311 Community Noise Attenuation	Right-of-Way						
	Construction	1,170	1,213	1,213	1,230	1,253	6,079
HB312 School Noise Attenuation	Right-of-Way						
	Construction						
HB32 Highway Planting	Right-of-Way						
	Construction	690	250	169	801		1,910
HB33 Roadside Rest Areas	Right-of-Way						
	Construction						
HB34 Vista Points and Roadside Enhancement	Right-of-Way						
	Construction	100	20	60	60	70	310

(continued on next page)

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

Santa Clara County - Highway Programs
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
OPERATIONAL IMPROVEMENTS (continued)							
HB42	Right-of-Way	$	$	$	$	$	$
Freeway Congestion Improvements	Construction	77	3,377	77	77	84	3,692
HB43	Right-of-Way	75					75
Freeway Traffic Service	Construction	21	190	310			521
HB44	Right-of-Way						
Conventional Highway/Expressway Operational Improvements	Construction	620	500	500	510	520	2,650
TOTAL OPERATIONAL IMPROVEMENTS		$ 3,444	$ 6,052	$ 2,674	$ 3,311	$ 2,297	$ 17,778
NEW FACILITIES							
HE11	Right-of-Way	$ 192	$ 148	$ 123	$ 136	$ 141	$ 740
New Connections & Cross-Traffic Improvements	Construction					370	370
HE12	Right-of-Way		1,030				1,030
Upgraded Facilities	Construction			8,430			8,430
HE13	Right-of-Way						
Lane Additions	Construction						
HE14	Right-of-Way	250					250
New Highway	Construction	37,770		16,790		14,620	69,180
HE3	Right-of-Way						
Bicycle Facilities	Construction	170	100	19	50	56	395
TOTAL NEW FACILITIES		$ 38,382	$ 1,278	$ 25,362	$ 186	$ 15,187	$ 80,395
MB22 - HIGHWAY/GUIDEWAY DECISION RESERVE	Total	500	3,100	4,100	3,400	4,000	15,100
TOTAL STATE PROGRAMS		$ 42,707	$ 11,118	$ 32,725	$ 7,359	$ 21,709	$ 115,618
LOCAL ASSISTANCE							
Federal Aid Urban (FAU)	Total	$ 29,965	$ 9,290	$ 5,205	$ 4,550	$ 4,790	$ 53,800
Federal Aid Secondary (FAS)	Total	700	-0-	-0-	-0-	-0-	700
Federal Aid Safer Off System (SOS)	Total	70	-0-	-0-	-0-	-0-	70
TOTAL LOCAL ASSISTANCE		$ 30,735	$ 9,290	$ 5,205	$ 4,550	$ 4,790	$ 54,570
PROGRAMS GRAND TOTAL		$ 73,442	$ 20,408	$ 37,930	$ 11,909	$ 26,499	$ 170,188

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

Solano County - Highway Programs
(District 10)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
REHABILITATION							
HA1 Land and Buildings	Right-of-Way	$	$	$	$	$	$
	Construction						
HA21 Bridge Reconstruction	Right-of-Way		18	42			60
	Construction	2	2	2	2,189	107	2,302
HA22 Roadway Reconstruction	Right-of-Way						
	Construction	1,210	279	114	78	86	1,767
HA23 Major Damage Restoration	Right-of-Way						
	Construction						
HA25 Highway Planting Restoration	Right-of-Way						
	Construction	1	93	21			115
HA26 Rest Area Restoration	Right-of-Way						
	Contruction	1	1	16			18
HA3 Resurfacing	Right-of-Way						
	Construction	54	2	2	32	227	317
HA4 Protective Betterments	Right-of-Way						
	Construction	———	——	——	———	——	———
TOTAL REHABILITATION		$ 1,268	$ 395	$ 197	$ 2,299	$ 420	$ 4,579
OPERATIONAL IMPROVEMENTS							
HB 1 Safety Improvements	Right-of-Way	$ 2	$ 2	$ 3	$ 3	$ 1	$ 11
	Construction	221	207	256	262	298	1,244
HB311 Community Noise Attenuation	Right-of-Way						
	Construction						
HB312 School Noise Attenuation	Right-of-Way						
	Construction	57					57
HB32 Highway Planting	Right-of-Way						
	Construction						
HB33 Roadside Rest Areas	Right-of-Way				200	200	400
	Construction	364	617			4,053	5,034
HB34 Vista Points and Roadside Enhancement	Right-of-Way						
	Construction	98	54	24	26	27	229

(continued on next page)

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

Solano County - Highway Programs
(District 10)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
OPERATIONAL IMPROVEMENTS (continued)							
HB42 Freeway Congestion Improvements	Right-of-Way Construction						
HB43 Freeway Traffic Service	Right-of-Way Construction	9	67	83	67	67	293
HB44 Conventional Highway/Expressway Operational Improvements	Right-of-Way Construction	1 311	13 133	6 167	6 133	7 133	33 877
TOTAL OPERATIONAL IMPROVEMENTS		$ 1,063	$ 1,093	$ 539	$ 697	$ 4,786	$ 8,178
NEW FACILITIES							
HE11 New Connections & Cross-Traffic Improvements	Right-of-Way Construction	$	$	$	$	$	$
HE12 Upgraded Facilities	Right-of-Way Construction						
HE13 Lane Additions	Right-of-Way Construction			2,500			2,500
HE14 New Highway	Right-of-Way Construction		129	267 571	 2,797	136	532 3,368
HE3 Bicycle Facilities	Right-of-Way Construction		6				6
TOTAL NEW FACILITIES		$ -0-	$ 135	$ 3,338	$ 2,797	$ 136	$ 6,406
MB22 - HIGHWAY/GUIDEWAY DECISION RESERVE	Total	-0-	-0-	-0-	-0-	-0-	-0-
TOTAL STATE PROGRAMS		$ 2,331	$ 1,623	$ 4,074	$ 5,793	$ 5,342	$ 19,163
LOCAL ASSISTANCE							
Federal Aid Urban (FAU)	Total	$ 2,917	$ 3,404	$ 3,721	$ 70	$ 2,182	$ 12,294
Federal Aid Secondary (FAS)	Total	-0-	-0-	-0-	-0-	-0-	-0-
Federal Aid Safer Off System (SOS)	Total	-0-	-0-	-0-	-0-	-0-	-0-
TOTAL LOCAL ASSISTANCE		$ 2,917	$ 3,404	$ 3,721	$ 70	$ 2,182	$ 12,294
PROGRAMS GRAND TOTAL		$ 5,248	$ 5,027	$ 7,795	$ 5,863	$ 7,524	$ 31,457

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TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

Sonoma County - Highway Programs
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
REHABILITATION							
HA1 Land and Buildings	Right-of-Way Construction	$ 29	$ 29	$ 30	$ 32	$ 37	$ 157
HA21 Bridge Reconstruction	Right-of-Way Construction		117	117	4,450	431	5,115
HA22 Roadway Reconstruction	Right-of-Way Construction	388					388
HA23 Major Damage Restoration	Right-of-Way Construction						
HA25 Highway Planting Restoration	Right-of-Way Construction						
HA26 Rest Area Restoration	Right-of-Way Contruction						
HA3 Resurfacing	Right-of-Way Construction	370	176	352	338	754	1,990
HA4 Protective Betterments	Right-of-Way Construction	103	14	10	11	11	149
TOTAL REHABILITATION		$ 890	$ 336	$ 509	$ 4,831	$ 1,233	$ 7,799
OPERATIONAL IMPROVEMENTS							
HB1 Safety Improvements	Right-of-Way Construction	$ 347	$ 417	$ 438	$ 464	$ 473	$ 2,139
HB311 Community Noise Attenuation	Right-of-Way Construction		115	115	125	127	482
HB312 School Noise Attenuation	Right-of-Way Construction	160					160
HB32 Highway Planting	Right-of-Way Construction		1,080	99	171		1,350
HB33 Roadside Rest Areas	Right-of-Way Construction						
HB34 Vista Points and Roadside Enhancement	Right-of-Way Construction						

(continued on next page)

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

Sonoma County - Highway Programs
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
OPERATIONAL IMPROVEMENTS (continued)							
HB42 Freeway Congestion Improvements	Right-of-Way Construction	$	$	$	$	$	$
HB43 Freeway Traffic Service	Right-of-Way Construction	24	25	25	25	26	125
HB44 Conventional Highway/Expressway Operational Improvements	Right-of-Way Construction	72	22	22	23	23	162
TOTAL OPERATIONAL IMPROVEMENTS		$ 603	$ 1,659	$ 699	$ 808	$ 649	$ 4,418
NEW FACILITIES							
HE11 New Connections & Cross-Traffic Improvements	Right-of-Way Construction	$ 45	$ 33	$ 29	$ 27	$ 28	$ 162
HE12 Upgraded Facilities	Right-of-Way Construction						
HE13 Lane Additions	Right-of-Way Construction						
HE14 New Highway	Right-of-Way Construction		1,325	315 35,780			1,640 35,780
HE3 Bicycle Facilities	Right-of-Way Construction		150				150
TOTAL NEW FACILITIES		$ 45	$ 1,508	$ 36,124	$ 27	$ 28	$ 37,732
MB22 - HIGHWAY/GUIDEWAY DECISION RESERVE	Total	-0-	-0-	-0-	-0-	-0-	-0-
TOTAL STATE PROGRAMS		$ 1,538	$ 3,503	$ 37,332	$ 5,666	$ 1,910	$ 49,949
LOCAL ASSISTANCE							
Federal Aid Urban (FAU)	Total	$ 2,942	$ 901	$ 991	$ 1,088	$ 1,199	$ 7,121
Federal Aid Secondary (FAS)	Total	-0-	-0-	-0-	-0-	-0-	-0-
Federal Aid Safer Off System (SOS)	Total	-0-	-0-	-0-	-0-	-0-	-0-
TOTAL LOCAL ASSISTANCE		$ 2,942	$ 901	$ 991	$ 1,088	$ 1,199	$ 7,121
PROGRAMS GRAND TOTAL		$ 4,480	$ 4,404	$ 38,323	$ 6,754	$ 3,109	$ 57,070

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - ALAMEDA COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT										
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) ALA-80 PM 3.8/8.0 HB42 394491 Powell Street Undercrossing to San Pablo Dam Rd.: (In Alameda and Contra Costa Co) Auxiliary lane ramp metering westbound (portions)	CALTRANS																					
(b) ALA-80 PM 5.6/7.2 HA22 380411 South of University Avenue to El Cerrito Separation: slab replacement 0.6 ft. AC overlay (portions).	CALTRANS																					
(c) ALA-80 PM 5.8/5.9 HA4 402631 13-80 Separation, University Avenue Overcrossing, Adeline Street undercrossing: earthquake restrainers (4V)	CALTRANS																					
(d) ALA-80 PM 7.0/7.1 HA25 380540 At Route 80/17 Interchange: plant restoration	CALTRANS																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				766	8	970			970					C	
(b)				1,746	8	2,360				2,360				C	
(c)				213	8	270			270					C	
(d)				215	8	290				290				C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - ALAMEDA COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) ALA-80 PM 7.2/8.0 382431 HA22 CC PM 0.0/0.3 El Cerrito Separation to Central Avenue: slab replacement, 0.6 ft. AC overlay (portions)	CALTRANS																				
(b) ALA-580 PM 1.8/8.0 207931 HA4 West of Grant Line Road to West of Greenville Road: restore lateral support.	CALTRANS																				
(c) ALA-580 PM 9.7/20.7 343801 HB32 Vasco Road to Route 680 (portions): highway planting.	CALTRANS																				
(d) ALA-580 PM 16.0/16.1 381860 HB33 East of Route 580/680 Interchange near Livermore: safety roadside rest area.	CALTRANS																				
(e) ALA-580 PM 25.9/28.3 410961 HE14 East Eden Canyon to East Crow Canyon Roads: reconstruct to six lanes including High Occupancy Lanes (HOV).	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				1,285	8	1,890					1,890			C	
(b)				224	8	260		260						C	
(c)				215	8	290				290				C	
(d)				1,387	8	2,040					2,040			C	
(e)				528	8	570	430	140						R	
				28,371	8	32,990		32,990						C	
				28,899		33,560	430	33,130						T	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - ALAMEDA COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	INTER VEH MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) ALA-580 PM 28.0/29.9 410981 HE14 0.5 miles east of Crow Canyon Road to 0.4 miles east of Strobridge Avenue: modify interchange and realign local roads.	CALTRANS																				
(b) ALA-580 PM 28.0/30.0 410921 HE14 East Crow Canyon Road to East Strobridge Avenue: reconstruct to six lanes including HOV lanes.* (*HOV=High Occupancy Vehicle Lanes)	CALTRANS																				
(c) ALA-580 PM 29.6/R31.7 410911 HE14 East of Strobridge Avenue to West 167th Avenue: widen to six lanes with HOV lanes; construct interchange.	CALTRANS																				
(d) ALA-580 PM 46.0/47.0 372901 HA21 In Oakland @ Route 17/80/580 interchange: replace lighting.	CALTRANS																				
(e) ALA-680 PM 1.0/11.0 207721 HA4 North Santa Clara County Line and North Route 238 to Route 84: restore lateral support.	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				5,227	8	5,620	5,620							C	
(b)				3,556	8	3,840	1,600	2,240						R	
				15,650	8	19,810			19,810					C	
				19,206		23,650	1,600	2,240	19,810					T	
(c)				8,315	8	8,980	2,050	3,970	2,960					R	
				24,746	8	33,440				33,440				C	
				33,061		42,420	2,050	3,970	2,960	33,440				T	
(d)				316	8	340	340							C	
(e)				391	8	420	420							C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - ALAMEDA COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	[illegible]	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) ALA-680 PM R8.4/R9.7 412951 HA4 Sheridan Road to Andrade Road: truck scale and inspection facilities.	CALTRANS																				
(b) ALA-680 PM R18.3/R18.4 288011 HE11 In Pleasanton at Las Positas Boulevard: Vehicular overcrossing (Pleasanton)	CALTRANS																				
(c) ALA-920 PM 2.1 A22031 HA22 Luminaire bases, sodium lamps Lump sum-minor program.	CALTRANS																				
(d) ALA-920 PM 6.0 A25001 HA25 Landscape restoration - lump sum/minor program.	CALTRANS																				
(e) ALA-920 PM 12.0 A40001 HA4 Protective betterments - lump sum/minor program.	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				1,724	8	2,330				2,330				C	
(b)				53		60	60							R I-$500 A-$300 C FAU - $300 S-$400 T TEC-$2,100	
				569	8	720			720						
				622		780	60		720						
(c)				390		390	78	78	78	78	78			C	
(d)				80		80			80					C	
(e)				154		154	63	91						C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - ALAMEDA COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) ALA-920 PM 12.1 A40041 HA4 Edge drains, lateral support, restrainers; lump sum/minor program.	CALTRANS																				
(b) ALA-930 PM 2.0 831101 HB311 Community Noise Attenuation; lump sum/minor program.	CALTRANS																				
(c) ALA-940 PM 0.0 E11001 HE11 Roadway construction/cleanup H & P Lump sum/minor program.	CALTRANS																				
(d) ALA-980 PM 0.0/0.6 399971 HE14 Route 17 to 11th Street: freeway and structures.	CALTRANS																				
(e) ALA-980 PM R1.8/R1.9 398921 HA4 In Oakland @ Route 980/580/24 separation: earthquake restrainers.	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				239		239		180	1	1	57			C	
(b)				1,240		1,240		317	317	300	306			C	
(c)				825		825	200	170	140	155	160			R	
(d)				768	8	830	490	340						R	
				23,770	8	27,640		27,640						C	
				24,438		28,470	490	27,980						T	
(e)				809	8	870	870							C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - ALAMEDA COUNTY (continued) (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. ALA-580 HB42 High Occupancy Vehicle Lane (HOV)-Design and EIR Costs: (a) SF-Oakland Bay Bridge Head to Bay Bridge Distribution Center; (b) On Emeryville Streets from I-580/24 Interchange to Bay Bridge Distribution Center; (c) On West Grand Avenue from Route 17 to Bay Bridge Approach.	CALTRANS		X			X														X	
TOTAL FEDERAL AID INTERSTATE - ALAMEDA COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				1,400		1,400	1,400							P/EIR	
				123,785		151,158	13,621	68,416	25,346	39,244	4,531				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - ALAMEDA COUNTY District 04 North			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT										
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 13 PM 7.5/8.5 380551 La Salle Avenue to Moraga Avenue: plant restoration.	HA25 STA	CALTRANS																					
(b) Rte. 17 PM R0.0/6.2 380061 North Route 237/17 Interchange to Stevenson Boulevard: highway planting.	HB32 STA	CALTRANS																					
(c) Rte. 17 PM R3.3/4.7 395771 Fremont Boulevard to Durham Road: truck scale (northbound and southbound)	HA4 F	CALTRANS																					
(d) Rte. 17 PM 7.1/11.0 380071 North Steven Boulevard to North Paseo Padre Parkway: highway planting.	HB32 F	CALTRANS																					
(e) Rte. 17 PM 8.8/30.9 389111 Thornton Avenue to Oak Street (portions): auxiliary lane, ramp metering.	HB42 F	CALTRANS																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				213	8	270			270					C	
(b)				104	8	140				140				C	
(c)				245		245	232			13				R	
				2,338	8	3,160				3,160				C	
				2,583		3,405	232			3,173				T	
(d)				367	8	540					540			C	
(e)				866	8	1,170				1,170				C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - ALAMEDA COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 17 PM 11.4/11.5 949201 Alviso School Near Fremont Boulevard: school noise attenuation.	HB312 STA	CALTRANS																				
(b) Rte. 17 PM 13.2/15.2 380671 Near Alva-Niles Road to North Indr. Parkway Overcrossing: highway planting.	HB32 F	CALTRANS																				
(c) Rte. 17 PM 24.9/25.9 380921 North 98th Avenue to North Hegenberger Road Overcrossing: highway planting.	HB32 F	CALTRANS																				
(d) Rte. 17 PM 27.6/27.7 398981 High Street on Bridge #33-40 L/R: install earthquake restrainers (4H)	HA4 F	CALTRANS																				
(e) Rte. 17 PM 33.1/33.2 949107 At Cole School south of 14th Street: school noise attenuation-air conditioning.	HB312 STA	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				84	8	90	90							C	
(b)				213	8	270			270					C	
(c)				344	8	370	370							C	
(d)				605	8	650	650							C	
(e)				223	8	240	240							C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - ALAMEDA COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 24 PM 1.1/4.2 402641 Various locations on Route 17,24, & 580: earthquake restrainers (4W)	HA4 F	CALTRANS																				
(b) Rte. 24 PM R3.5/R3.6 949115 At Claremont Junior High near College Undercrossing: school noise attenuation-air conditioning.	HB312 STA	CALTRANS																				
(c) Rte. 80 PM 5.8/5.9 207471 University Avenue Interchange: pedestrian and bicycle undercrossing. "TSM" Project	HE3 M	CALTRANS			X																	
(d) Rte. 84 PM 4.0/26.5 HA3013 Jarvis Road to Arroyo Mocho (portions): resurfacing.	HA3 STA	CALTRANS																				
(e) Rte. 84 PM 10.8/16.5 400861 Fremont to Sunol: complete shoulder widening for bicycles.	HE3 F	CALTRANS			X																	

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				205	8	220	220							C	
(b)				353	8	380	380							C	
(c)				71	8	90			90					C Total cost $400 FAU	
(d)				198	8	250			250					C	
(e)				140	8	150	150							C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - ALAMEDA COUNTY
District 04 North
(continued)

PROJECT DESCRIPTION		LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	TRANSIT MANAGEMENT: PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 92 PM 6.4/8.1 HA3007 Route 17 to Route 238: resurfacing.	HA3 STA	CALTRANS																			
(b) Rte. 580 PM 13.1/13.2 380931 East of Portola Avenue Interchange in Livermore: relocate maintenance station.	HA1 STA	CALTRANS																			
(c) Rte. 680 PM R14.1/R14.2 399451 At Arroyo De La Luguna Bridge #33-46: replace bridge.	HA21 BR	CALTRANS																			
(d) Rte. 680 PM R15.9/R19.7 HA3003 North Pleasanton Overhead crossing to South 680/580 separation: resurfacing.	HA3 STA	CALTRANS																			
(e) Rte. 680 PM R18.3/R18.4 288011 In Pleasanton @ Las Positas Boulevard: vehicular overcrossing (Pleasanton)	HE11 I	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				172	8	200		200						C	
(b)				127	8	140	140							R	
				632	8	680	680							C	
				759		820	820							T	
(c)				466	8	590			590					C	
(d)				279	8	300	300							C	
(e)				450	8	570			570					C I-$500 / A-$300 FAU-$300 / S-$400 TEC-$2,100	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - ALAMEDA COUNTY District 04 North (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 910 PM 0.0 A12001 HA1 STA Maintenance of Lands and Buildings: lump sum/minor program.	CALTRANS																			
(b) Rte. 920 PM 0.0 A21001 HA21 Bridge Reconstruction - lump sum/minor program.	CALTRANS																			
(c) Rte. 920 PM 2.0 A22001 HA22 Roadway Reconstruction - lump sum/minor program.	CALTRANS																			
(d) Rte. 920 PM 4.0 A23001 HA23 Major Damage Restoration / lump sum/minor program.	CALTRANS																			
(e) Rte. 920 PM 6.0 A25001 HA25 Landscape Restoration - lump sum/minor program.	CALTRANS																			
(f) Rte. 920 PM 12.0 A40001 HA4 Protective Betterments - lump sum/minor program	CALTRANS																			
(g) Rte. 920 PM 12.1 A40041 HA4 Edge Drains, Lateral Supports, Restrainers - lump sum/minor program.	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				310		310	22	64	68	75	81			C	
(b)				107		107	36	16	17	18	20			C	
(c)				215		215		53	53	54	55			C	
(d)				229		229	66	40	40	41	42			C	
(e)				100		100		100						C	
(f)				1,197		1,197	188	317	226	231	235			C	
(g)				56		56					56			C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - ALAMEDA COUNTY
District 04 North
(continued)

PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING, MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 930 PM 0.0 B10001 HB1 Safety Improvements - lump sum/minor program.	CALTRANS																			
(b) Rte. 930 PM 2.0 B31101 HB311 Community Noise Attenuation - lump sum/minor program.	CALTRANS																			
(c) Rte. 930 PM 6.0 B32001 HB32 Highway Planting - lump sum/minor program.	CALTRANS																			
(d) Rte. 930 PM 10.0 B34001 HB34 Vista Points & Roadside Enhancement - lump sum/minor program.	CALTRANS																			
(e) Rte. 930 PM 12.0 B43001 HB43 Freeway Traffic Service - lump sum/minor program.	CALTRANS																			
(f) Rte. 930 PM 12.0 B44001 HB44 Conventional Highway & Expressway Operations - lump sum/minor program.	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				2,583		2,583	1,002	368	386	410	417			C	
(b)				1,529		1,519		363	363	393	400			C	
(c)				81		81		2	45	34				C	
(d)				320		320	100	30	60	60	70			C	
(e)				519		519	101	103	103	105	107			C	
(f)				844		844	164	168	168	170	174			C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - ALAMEDA COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 930 PM 12.0 B42001 Freeway Congestion Improvements - lump sum/minor program.	HB42	CALTRANS																				
(b) Rte. 940 PM 0.0 E11001 Roadway Construction Cleanup H & P R/W lump sum/minor program	HE11	CALTRANS																				
(c) Rte. 940 PM 2.0 E30001 Bicycle Facilities - lump sum/minor program.	HE3	CALTRANS			X																	
(d) Rte. 960 PM 0.1 FAU501 Lump Sum - FAU Reserve	HE11 M	CALTRANS																				
(e) Rte. 920 PM 0.2 FAU 502 Lump Sum - FAU Reserve	HB43 M	CALTRANS																				
(f) Rte. 960 PM 0.3 FAU503 Lump Sum - FAU Reserve	HB44 M	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				414		414	81	81	81	82	89			C	
(b)				298		298	85	62	49	51	51			C	
(c)				179		179			27	71	81			C	
(d)				1,577		1,577		130	1	1	1,445			C	
(e)				1,693		1,803	320	1	1	1	1,480			C	
(f)				270		420					420			C	

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - ALAMEDA COUNTY District 4 North (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 17/238 HE12 Routes 17 and 238: construct interchange and make modifications to provide westbound to southbound freeway-to-freeway connection.	CALTRANS	X																	X	
TOTAL NON-INTERSTATE PROJECTS - ALAMEDA COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				8,200		8,200			8,200					C	
				29,416		31,686	5,617	2,098	11,928	6,280	5,763				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - ALAMEDA COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT										
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
Livermore Urban Area																						
(a) South Livermore Avenue Fourth Street and East Avenue intersection: reconstruction of existing roadway between Fourth Street and 100 feet south of Fifth Street. Replacement of existing deteriorating two lane roadway, realignment of Fourth Street-East Avenue intersection, and new traffic signals. Project length: 0.19 mile.	City of Livermore															X		X				
(b) East Avenue Storm drainage and rehabilitation of existing roadway between Maple Street and East City limit. Project length: 1.14 miles.	City of Livermore															X		X				
(c) Murrieta Boulevard and Olivina Avenue Widen Murrieta Boulevard between Western Pacific Railroad and Olivina Avenue, widen approaches to existing intersection, construct traffic signal. Project length: 0.49 mile.	City of Livermore															X					X	
(d) Railroad Avenue Reconstruction of existing roadway between North "L" Street and First Street. Replacement of existing deteriorating two lane roadway with four lane divided highway. Length: 0.32 mile	City of Livermore															X					X	

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	40		8	48										R	
	160		33	193										C	
	200		41	241		241	241 (200)							T	
(b)	150		31	181		181	181 (150)							C	
(c)	30		6	36										R	
	130		27	157										C	
	160		33	193		193	193 (160)							T	
(d)	150		31	181		181	181 (150)							C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - ALAMEDA COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING, MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ milion $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ milion $)
Livermore Urban Area (continued)																				
(a) Vasco Road Reconstruction of existing roadway between Crestmont Avenue and north city limit. Replacement of existing deteriorating two lane roadway. Project length: 0.51 mile.	City of Livermore														X		X			
(b) East Avenue Widen to provide four lane divided facility between Nielson Avenue and Greenville Road with Class II bicycle facilities.	City of Livermore			X											X		X			X
(c) South "L" Street and Arroyo Road Bridge Reconstruction of existing roadway between College Avenue and the Arroyo Mocho. Reconstruction of bridge @ Arroyo Mocho. Replace existing two lane substandard structure with four lane structure. Project length: 0.19 mile.	City of Livermore														X					X
(d) Third Street Reconstruction of existing roadway between South Livermore Avenue and South "P" Street. Replacement of existing deteriorating two lane roadway. Project length: 0.53 mile.	City of Livermore														X		X			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	103		21	124	10	136		136 (113)						C	
(b)	100		20	120	10	132		132 (110)						R	
	364		75	439	30	571				571 (474)				C	
	464		95	559		703		132 (110)		571 (474)				T	
(c)	50		10	60	40	84					84 (70)			R Construction to be be funded after	
	530		109	639										C 1983-84.	
	580		119	699		84					84 (70)			T	
(d)	83		17	100										C Construction to be funded after 1983-84.	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - ALAMEDA COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
Livermore Urban Area (continued)																				
(a) North "L" Street Reconstruction of existing roadway between Chestnut Street and Portola Avenue. Replacement of existing deteriorating four lane undivided road. Project length: 0.42 mile.	City of Livermore														X		X			
(b) Stanley Boulevard Parking facilities for BARTD express bus operation.	City of Livermore /BARTD										X				X			X		
(c) Mines Road Extension East Avenue to W.P.R.R., includes crossings, signals and right-of-way purchase. Connection needed for traffic curculation per General Plan. Project length: 1.33 miles.	City of Livermore														X					X
(d) Concannon Boulevard Extension Arroyo Road to Tesla Road. Right-of-way purchase, East-West connection needed between Tesla Road and Arroyo Road. Project length: 1.52 miles.	City of Livermore														X					X

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	207		42	249										C To be funded with future apportionments after 1983-84.	
(b)	344		70	414										C To be funded with future apportionment after 1983-84.	
(c)	100 200		20 41	120 241										R To be funded with C future T apportionments after 1983-84.	
	300		61	361											
(d)	100 250		20 51	120 301										R To be funded with C future T apportionments after 1983-84.	
	350		71	421											

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - ALAMEDA COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	TRANSIT MANAGEMENT: PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
Livermore Urban Area (continued)																					
(a) Junction Avenue Reconstruction North Livermore to First Street: reconstruction of existing deteriorated roadway. Project length: 0.70 mile.	City of Livermore														X		X				
Oakland City Area																					
(b) Edes Avenue 98th Avenue to 105th Avenue: reconstruct existing facility to provide two lane undivided facility; AC Transit route. Project length: 0.37 mile.	City of Oakland														X					X	
(c) Grand Avenue Broadway to Harrison Street: reconstruct to provide six lane divided facility; AC Transit route. Project length: 0.24 mile.	City of Oakland														X					X	
(d) East Oakland Crosstown Arterial, Unit V MacArthur Boulevard to Seminary Avenue: reconstruct to provide four lane divided facility. Major access and AC Transit route to Oakland Metropolitan International Airport, the Coliseum Complex and Coliseum BART Station. Project length: 1.16 miles.	City of Oakland														X					X	

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000) CURRENT COST FEDERAL	STATE	LOCAL	TOTAL	ESCALATION RATE %	ESCALATED COST	PROGRAM YEAR ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	ENVIRONMENTAL DOCUMENT TYPE	STATUS	REMARKS	PRIORITY
(a)	250		51	301										C To be funded with future apportionments after 1983-84.	
(b)	50 452		10 92	61 545										P C	
	503		103	606		606	606 (503)							T	
(c)	50 996 481		10 204 99	60 1,200 580										P To be funded R with future C apportionments	
	1,527		313	1,840										T after 1983-84.	
(d)	158 2,739 2,490		32 561 510	190 3,300 3,000										P To be funded with R future C apportionments	
	5,387		1,103	6,490										T after 1983-84.	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - ALAMEDA COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING, MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
Oakland City Area (continued)																				
(a) Maritime Street 7th Street to West Grand Avenue: reconstruct existing facility to provide a four lane divided facility with channelization at key intersections and traffic signal modernization; AC Transit route. Project length: 1.16 miles.	City of Oakland														X				X	
(b) Grove-Shafter Freeway (SR 24) Warren Freeway (SR 13) Construct northbound Warren Freeway to westbound Grove-Shafter Freeway ramp, and eastbound SR 24 to southbound SR 13.	CALTRANS																		X	
(c) Hegenberger Road Interchange (SR 17) Complete construction of interchange with SR 17.	CALTRANS																		X	

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	145 1,834		30 375	175 2,209										P C	
	1,979		405	2,384		2,384	2,384 (1,979)							T	
(b)	3,536	724		4,260										T To be funded with future apportionments after 1983-84.	
(c)	5,059	1,036		6,095										T To be funded with future apportionments after 1983-84.	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - ALAMEDA COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	TRANSIT MANAGEMENT: PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
San Francisco-Oakland Urbanized Area For Projects Over $500,000																					
(a) Grove Way, Center Street and Crow Canyon Road Construct four lane divided roadway to eliminate the bottleneck and provide improved access to Route 580 interchange areas. Separated bus loading and Class II bicycle facilities will be constructed. Project length: 0.50 miles	Alameda County			X											X					X
(b) San Leandro Boulevard Widen between Davis Street and Castro Street to provide five and six lane divided facilities. Traffic signals will be coordinated to provide for smoother traffic flow. Separated bus loading and Class II bicycle facilities will be constructed. Project length: 0.46 mile.	City of San Leandro														X					X
(c) Decoto Road From Fremont Boulevard to Mission Boulevard: widen roadway to provide four lane divided facility, channelization. Decoto Road is the major access to the Union City BARTD Station and serves as a route for AC Transit and Union City Bus System. Class III bicycle facilities will be provided. Project length: 2.38 miles.	City of Fremont/ Union City			X											X					X

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	228		47	275										R *Includes $230	
	472	*230	96	798										C FASUE on deposit.	
	700	230	143	1,073		1,073	1,073 (700)							T	
(b)	737		151	888										R	
	481		99	580										C	
	1,218		250	1,468		1,468	1,468 (1,218)							T	
(c)	399		82	481	10	529		529						R	
	2,525		517	3,042	10	3,346		3,346						C	
	2,924		599	3,523		3,875		3,875 (3,216)						T	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - ALAMEDA COUNTY (continued) (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECT.ON & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
San Francisco-Oakland Urbanized Area For Projects Over $500,000 (continued)																					
(a) Thornton Avenue Construct four lane divided roadway between Nimitz Freeway (SR 17) and Paseo Padre Parkway. This project will provide direct access to the Nimitz Freeway at the Thornton Avenue Interchange, separated bus loading areas at key locations and Class II bicycle facilities. It is the signed route to the Fremont BARTD Station and a major AC Transit route. Project length: 1.40 miles.	CALTRANS/ City of Fremont			X											X				X		
(b) Cherry Street Reconstruct to provide four lane divided facility between Mowry Avenue and Central Avenue. Separated bus loading and Class II bicycle facilities will be constructed. Project length: 1.0 mile.	City of Newark			X											X				X		
(c) "D" Street Construct new four lane facility between Grand Street and Winton Avenue at Soto Road. This facility will provide direct access to the Hayward BARTD Station from the Winton Avenue/ Nimitz Freeway Interchange, and Class I bicycle facilities. The route is a crosstown arterial which is grade separated at the Western Pacific & So. Pacific Rail tracks.	City of Hayward			X											X				X		

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	639		131	770	20	924			924					R C T	
	1,021		209	1,230	20	1,476			1,476						
	1,660		340	2,000		2,400			2,400 (1,992)						
(b)	1,473		302	1,775	30	2,308				2,308 (1,915)				T	
(c)	2,025		415	2,440	40	3,416					3,416			R Project length: C 0.40 mile. T	
	801		164	965	40	1,351					1,351				
	2,826		579	3,405		4,767					4,767 (3,956)				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - ALAMEDA COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
San Francisco-Oakland Urbanized Area For Projects Over $500,000 (continued)																					
(a) Davis Street Reconstruct Davis Street between San Leandro Boulevard and Wayne Street to provide standard six lane facility with Class II bicycle facilities. Davis Street serves as a major access between the Nimitz Freeway and the San Leandro BARTD Station. Project length: 0.45 miles.	City of San Leandro			X												X				X	
(b) Thornton Avenue Overcrossing of Route 17 Widen structure to provide four lanes with left-turn storage lane. Thornton Avenue is an AC Transit route; Class II bicycle facilities will be provided in this project.	CALTRANS/ City of Fremont			X												X				X	

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	1,800		369	2,169										T To be funded with future apportionments after 1983-84.	
(b)	1,004		206	1,210										T To be funded with future apportionments after 1983-84.	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - ALAMEDA COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING, MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
San Francisco-Oakland Urbanized Area For Projects Under $500,000																					
(a) San Pablo Avenue Resurface and redelineate existing six lane undivided facility to provide four lane divided facility between north city limit and south city limit. Provide left-turn lane storage areas. Project will tie-in to El Cerrito's project on north and Berkeley's project on south to eliminate hazardous bottleneck. San Pablo Avenue serves as major AC Transit route and access route to the Berkeley and El Cerrito BARTD stations. Project length: 1.0 mile.	City of Albany	X																			X
(b) Powell Street Construct four lane roadway between Hollis St. and Vallejo Street to improve access to shipping terminals and AC Transit facilities within the area. In addition, Powell Street is served by an interchange on the Eastshore Freeway (SR 80). Separated bus loading areas and Class III bicycle facilities provided. Project length: 1.0 mile.	City of Emeryville			X												X					X
(c) Central Avenue Reconstruct to provide 4 lane divided facility between Hyacinth Street & Cedar Blvd. Separated bus loading facilities & Class II bicycle facilities to be constructed.	City of Newark			X												X					X

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	319		65	384		384	384							C	
(b)	189		39	228		228	228 (189)							C	
(c)	8		2	10										R Project length:	
	492		100	592										C 0.5 miles.	
	500		102	602		602	602 (500)							T	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - ALAMEDA COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
San Francisco-Oakland Urbanized Area For Projects Under $500,000 (continued)																				
(a) Route 17 / Industrial Boulevard Ramp Modification Widen ramps and provide traffic signal system at Cryer Street and Sleepy Hollow Avenue to provide operational benefits to existing intersection.	CALTRANS	X																		X
(b) Route 80/University Avenue Construct bicycle/pedestrian facilities to cross Route 80. Provides access to Marina area.	City of Berkeley			X	X										X			X		
(c) Bay Farm Island Bridge (Route 61) Provide bicycle and pedestrian facilities on Bay Farm Island Bridge.	CALTRANS			X	X										X			X		

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	191		39	230										C To be funded with future apportionments after 1983-84.	
(b)	378		77	455										T To be funded with future apportionments after 1983-84.	
(c)	137	28		165										T To be funded with future apportionments after 1983-84.	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - ALAMEDA COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
Pleasanton Urban Area																				
(a) FAI 680/West Las Positas Boulevard Construction of a vehicular overcrossing over Route I-680 at West Las Positas Boulevard with pedestrian and bicycle facilities.	City of Pleasanton			X															X	
(b) West Las Positas Boulevard Improvement of West Las Positas Boulevard and Foothill Road needed in conjunction with Project (a) above.	City of Pleasanton	X																		X
Dublin Urban Area																				
(c) San Ramon Frontage Road Construct frontage road on westerly side of San Ramon Road from northerly of Dublin Blvd. to southerly of Silvergate Drive to control acc access movements on San Ramon Road. Project length: 0.36 mile.	Alameda County	X													X					X
TOTAL FEDERAL AID URBAN - ALAMEDA COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	188		39	227		227	227 (188)							R	
	468		362	830	40	1,162					1,162 (965)			C	
	656		401	1,057		1,389	227 (188)				1,162 (965)			T	
(b)														Cost not determined. To be funded with future apportionments after 1983-84.	
(c)	166		34	200	40	280					280 (232)			C	
	37,473	2,018	6,152	45,643		23,483	7,768 (6,002)	4,143 (3,439)	2,400 (1,992)	2,879 (2,389)	6,293 (5,223)			Total includes projects to be funded after 1983-84.	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID SECONDARY - ALAMEDA COUNTY District 04		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Stanley Boulevard Stage 2 - Improvements	Alameda	X																		X
FEDERAL AID SECONDARY - ALAMEDA COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	515	258		773		773	773 (515)								
	515	258		773		773	773 (515)								

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID SAFER OFF SYSTEM - ALAMEDA COUNTY District 04		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Safer Off Program Road projects at various locations within the county.	Alameda County	X																		X
TOTAL SAFER OFF SYSTEM - ALAMEDA COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	334		68	402		402	402 (334)								
	334		68	402		402	402 (334)								

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - CONTRA COSTA COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 80 PM 8.0/4.3 394491 HB42 Powell Street Undercrossing to San Pablo Dam Rd. (in Alameda & Contra Costa Counties): auxiliary lane ramp metering westbound (portions)	CALTRANS																				
(b) Rte. 80 PM 0.3/3.3 380431 HA22 Central Avenue bridge to Solano Avenue: slab replacement, 0.6 ft. AC overlay (portions).	CALTRANS																				
(c) Rte. 80 PM 3.4/4.2 410131 HB311 North Solano Avenue and South San Pablo Dam Rd.: highway sound wall.	CALTRANS																				
(d) Rte. 80 PM 4.3/8.5 380031 HB32 San Pablo Dam Road to Pinole Valley Road: highway planting.	CALTRANS																				
(e) Rte. 80 PM 7.2/10.3 360441 HA22 South of Appian Way to North of Willow Avenue: slab replacement, 0.6 ft. AC overlay (portions)	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				1,082	8	1,370			1,370					C	
(b)				2,725	8	2,930	2,930							C	
(c)				158	8	170	170							C	
(d)				636	8	740		740						C	
(e)				2,718	8	3,440			3,440					C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - CONTRA COSTA COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	TRANSIT MANAGEMENT: PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 80 PM 8.5/10.0 380851 HB43 Pinole Valley Road to Route 4: modify southbound on-ramp.	CALTRANS																				
(b) Rte. 680 PM R1.1/R2.9 380041 HB32 Pine Valley to Bollinger Canyon overcrossing: highway planting.	CALTRANS																				
(c) Rte. 680 PM R4.3/R6.7 380051 HB32 North Crow Canyon Road to South Sycamore Valley Road: highway planting.	CALTRANS																				
(d) Rte. 680 PM R7.4/R7.5 949122 HB312 At Charlotte Wood School-Diablo Interchange: school noise attenuation/air conditioning.	CALTRANS																				
(e) Rte. 680 PM R12.7/19.2 389371 HB42 South Walnut Creek Overhead crossing to Willow Pass Road: ramp metering (northbound and southbound)	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				142	8	160		160						R	
				2,354	8	2,980			2,980					C	
				2,496		3,140		160	2,980					T	
(b)				163	8	220				220				C	
(c)				326	8	350	350							C	
(d)				233	8	250	250							C	
(e)				93	8	100	100							C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - CONTRA COSTA COUNTY (continued) (District 4) PROJECT DESCRIPTION		LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING, MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 680 PM 13.4/20.6 410141 Lilac Drive in Walnut Creek to north of Center Street: highway sound wall.	HB311	CALTRANS																			
(b) Rte. 680 PM 14.4/15.0 380561 Route 24/680 Interchange: upgrade manual irrigation.	HA25	CALTRANS																			
(c) Rte. 680 PM 15.6/R17.4 377111 North Main Street to Oak Park Boulevard: modify interchanges and local streets	HB43	CALTRANS																			
(d) Rte. 680 PM 19.7/20.0 392781 At Concord Avenue Interchange: ramp metering (southbound)	HB42	CALTRANS																			
(e) Rte. 680 PM 23.0/24.0 380361 North of Arthur Road Undercrossing to South Mococo: level roadway and AC blanket.	HA22	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				140	8	150	150							C	
(b)				245	8	360					360			C	
(c)						740	740							R	
				6,659	8	7,160	7,160							C	
						7,900	7,900							T	
(d)				28	8	30	30							C	
(e)				1,006	8	1,170		1,170						C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - CONTRA COSTA COUNTY (continued)

(District 4)

PROJECT DESCRIPTION		LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES — TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE — RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS — IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	TRANSIT MANAGEMENT — PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT — MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 920 PM 2.1 A22032 Luminaire bases, sodium lamps; lump sum/minor program.	HA22	CALTRANS																			
(b) Rte. 920 PM 12.0 A40002 Protective betterments; lump sum/minor program.	HA4	CALTRANS																			
(c) Rte. 920 PM 12.1 A40042 Edge drains, lateral support, restrainers; lump sum/minor program.	HA4	CALTRANS																			
(d) Rte. 930 PM 2.0 831102 Community Noise Attenuation; lump sum/minor program.	HB311	CALTRANS																			
(e) Rte. 940 PM 0.0 E11002 Roadway construction cleanup H & P Lump sum/minor program.	HE11	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				245		245	49	49	49	49	49			C	
(b)				104		104	38	66						C	
(c)				63		63				63				C	
(d)				1,678		1,678	720	245	245	232	236			C	
(e)				415		415	100	85	70	80	80			R	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - CONTRA COSTA COUNTY (continued) District 4		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 180 HE14 On Route 17 from I-80 to Marine Street to Richmond: construct new freeway. Starter project on first Segment between 51st Street and 23rd Street.	CALTRANS																		X	
TOTAL FEDERAL AID INTERSTATE - CONTRA COSTA COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				3,900		3,900	3,900							R Total est. cost = $55 million for First Segment	
				25,113		28,725	16,687	2,515	8,154	644	775				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - CONTRA COSTA COUNTY District 04 North			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 4 PM 0.2/1.3 207241 Route 80 to East of Willow Avenue: two lane highway and underpass.	HE14 STA	CALTRANS																				
(b) Rte. 4 PM 12.9/14.0 120251 East of Route 680 to Peralta Road: four lane freeway	HE14 F	CALTRANS																				
(c) Rte. 4 PM 18.8/26.0 380181 Willow Pass Road to Somersville Road Undercrossing: highway planting.	HB32 F	CALTRANS																				
(d) Rte. 4 PM 25.0/25.1 385631 In Antioch @ Standard Oil Avenue: new interchange.	HE11 M	CALTRANS																				
(e) Rte. 4 PM 26.2/26.7 399821 At Eastbound Ramp & Somerville Road: install signals and widen off-ramp.	HB43 M	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				1,503	8	2,210					2,210			C Total esc cost =$2955 (Hercules)	
(b)					8	325	260	65						R	
				8,882	8	9,550	9,550							C	
						9,875	9,810	65						T	
(c)				261	8	330			330					C	
(d)				363	8	460			460					C Total esc. cost =$2720 (FAU)	
(e)				28	8	30	30							C Total cost $72	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - CONTRA COSTA COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 4 PM 31.3/31.4 381671 Near Antioch @ Bridgehead-Neroly: install traffic signals	HB1 F	CALTRANS																			
(b) Rte. 17 PM 5.4/5.9 207491 Marine Street to North of Scofield Avenue: bike path to Pt. Molate.	HE3 F	CALTRANS			X																
(c) Rte. 17 PM 6.1/6.2 035901 At the Richmond-San Rafael Bridge: install crash cushions.	HB1 F	CALTRANS																			
(d) Rte. 17 PM 6.2/7.8 032301 Richmond-San Rafael Bridge: bridge air and water lines.	HA1 STA	CALTRANS																			
(e) Rte. 17 PM 6.2/7.8 032601 Richmond-San Rafael Bridge: Phase I replacement of existing timber fenders.	HA21 STA	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				28	8	30	30							C	
(b)				103	8	120		120						C	
(c)				103	8	120		120						C	
(d)				539	8	580	580							C	
(e)				540	8	730				730				C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - CONTRA COSTA COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 17 PM 6.2/7.8 032701 Richmond-San Rafael Bridge: expansion joint repairs - Phase 2	HA21 STA	CALTRANS																				
(b) Rte. 17 PM L6.2/L7.8 034011 Richmond-San Rafael Bridge: Stage II Installation of corrosion protection system.	HA4 STA	CALTRANS																				
(c) Rte. 17 PM 6.3/7.8 032611 At Richmond-San Rafael Bridge: replacement of timber fenders - Phase II	HA21 STA	CALTRANS																				
(d) Rte. 17 PM 6.4/7.8 033601 Richmond-San Rafael Bridge: Remove Traveler Rail System (Phase I)	HA21 STA	CALTRANS																				
(e) Rte. 80 PM 7.2/7.8 3B0211 Appian Way Interchange: reconstruct interchange.	HB43 M	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				639	8	940					940			C	
(b)				796	8	1,170					1,170			C	
(c)				540	8	730				730				C	
(d)				529	8	670			670					C	
(e)					8	29	29							R Total esc. cost =$4864 (FAU)	
				644	8	870				870				C	
						899	29			870				T	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - CONTRA COSTA COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 680 PM 15.6/15.7 380871 North Main Street Interchange: modify interchange.	HB43 M	CALTRANS																				
(b) Rte. 910 PM 0.0 A12002 Maintenance of Lands and Buildings - lump sum/minor program.	HA1 STA	CALTRANS																				
(c) Rte. 920 PM 0.0 A21002 Bridge Reconstruction - lump sum/minor program.	HA21	CALTRANS																				
(d) Rte. 920 PM 2.0 A22002 Roadway Reconstruction - lump sum/minor program	HA22	CALTRANS																				
(e) Rte. 920 PM 4.0 A23002 Major Damage Restoration - lump sum/minor program	HA23	CALTRANS																				
(f) Rte. 920 PM 12.0 A40002 Protective Betterments - lump sum/minor program	HA4	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				60	8	70		70						C	
(b)				126		126	53	17	17	18	21			C	
(c)				1,072		1,072	55	231	244	261	281			C	
(d)				229		229		57	57	57	58			C	
(e)				139		139	35	26	26	26	26			C	
(f)				646		646	115	166	121	121	123			C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - CONTRA COSTA COUNTY District 04 North (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 920 PM 12.1 A40042 HA4 Edge Drains, Lateral Support, Restrainers - lump sum/minor program	CALTRANS																			
(b) Rte. 930 PM 0.0 B10002 HB1 Safety Improvements - lump sum/minor program	CALTRANS																			
(c) Rte. 930 PM 2.0 B31102 HB311 Community Noise Attenuation - lump sum/ minor program	CALTRANS																			
(d) Rte. 930 PM 6.0 B32002 HB32 Highway Planting - lump sum/minor program	CALTRANS																			
(e) Rte. 930 PM 10.0 B34002 HB34 Vista Points & Roadside Enhancement - lump sum/minor program	CALTRANS																			
(f) Rte. 930 PM 12.0 B43002 HB43 Freeway Traffic Service - lump sum/minor program	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				62		62				62				C	
(b)				1,690		1,690	424	295	309	328	334			C	
(c)				828		828	198	198	214	218				C	
(d)				40		40			23	17				C	
(e)				300		300	100	30	50	60	60			C	
(f)				853		853	166	169	169	173	176			C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - CONTRA COSTA COUNTY District 04 North (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 930 PM 12.0 B42002 HB42 Freeway Congestion Improvement - lump sum/minor program	CALTRANS																			
(b) Rte. 930 PM 12.0 B44002 HB44 Conventional Highway & Expressway Operation - lump sum/minor program	CALTRANS																			
(c) Rte. 940 PM 0.0 E11002 HE11 Roadway Construction Cleanup H & P - lump sum/minor program	CALTRANS																			
(d) Rte. 940 PM 2.0 E30002 HE3 Bicycle Facilities - lump sum/minor program	CALTRANS																			
(e) Rte. 960 PM 0.1 FAU504 HB43 M Lump Sum - FAU Reserve	CALTRANS																			
(f) Rte. 960 PM 0.2 FAU505 HB44 Lump Sum - FAU Reserve	CALTRANS																			
TOTAL NON-INTERSTATE PROJECTS - CONTRA COSTA COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				147		147	28	29	29	29	32			C	
(b)				168		168	33	33	33	34	35			C	
(c)				199		199	57	41	33	33	35			R	
(d)				133		133			20	53	60			C	
(e)				1,162		1,282	270	200	1	1	810			C	
(f)				130		150			150					C	
				15,482		27,028	12,013	1,867	2,956	3,821	6,371				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CONTRA COSTA COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
Antioch-Pittsburgh Urbanized Area																					
(a) Buchanan Road Widen from Harbor Street easterly to city limit.	City of Pittsburg																			X	
(b) Railroad Avenue and 10th Street Intersection Replace traffic signal system, install handicapped and bicycle ramps and enlarge curb return.	City of Pittsburg															X					X
(c) West 10th Street Widen to four lane divided roadway from "O" Street to "L" Street.	City of Antioch																				X
(d) East 18th Street Widen to four lanes from "A" Street to Cavallo Road.	City of Antioch																				X
(e) Harbor Street Overcrossing @ State Route 4 Widen to four lane, divided roadway.	City of Pittsburg & CALTRANS																				X
(f) State Route 4 @ Standard Oil Avenue Antioch: construct the two initial ramps of a diamond interchange.	CALTRANS																			X	

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	550		657	1,207		1,207	1,207 (550)					EIR			
(b)	93		19	112		112	112 (93)					ND		C	
(c)	237		85	322		322	322 (237)					EIR	NR	T EIR being prepared.	
(d)	283		112	395		395		395 (283)				EIR	NR	T EIR being prepared.	
(e)	415		85	500		500			500 (415)			ND		C	
(f)	550		317	867		867					867 (550)	EIR		T	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CONTRA COSTA COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
San Francisco-Oakland Urbanized Area																					
(a) San Pablo Avenue From Cutting Blvd. to Richmond City Limit: widen to four lane divided roadway. Project length: 0.43 miles	City of El Cerrito																			X	
(b) San Pablo Avenue Widen from Evans Avenue to Church Lane.	City of San Pablo																			X	
(c) North Main Street Widen from Pringle Avenue to Lesnick Lane; modify signal; modify on-and-off ramps at Interstate 680.	City of Walnut Creek & CALTRANS																			X	
(d) Interstate 80 @ Appian Way Revise interchange and widen overcrossing.	CALTRANS																			X	
(e) Interstate 680 and Concord Avenue Add loop on-ramp and relocate existing off-ramp in southeast quadrant.	CALTRANS																			X	
(f) State Route 242 and Willow Pass Road Add loop on-ramp in northwest guadrant with connection to Commerce Avenue.	CALTRANS																			X	
TOTAL FEDERAL AID URBAN - CONTRA COSTA COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	769		281	1,050		1,050	1,050 (769)					ND		T Cost of right-of-way may delay project.	
(b)	1,316		269	1,585		1,585	1,585 (1,316)					ND		T Draft EIR sent to FHWA. Advertise 9/80.	
(c)	2,300		1,172	3,472		3,472	3,472 (2,300)					EIR		T EIR being prepared. Scheduled for construction in early 1980.	
(d)	2,300		1,700	4,000		4,000		4,000 (2,300)				ND		T	
(e)	2,300		600	2,900		2,900			2,900 (2,300)			ND		T	
(f)	1,370		280	1,650		1,650				1,650 (1,370)		ND		T	
	12,483		5,577	18,060		18,060	7,748 (5,265)	4,395 (2,583)	3,400 (2,715)	1,650 (1,370)	867 (550)				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID SECONDARY - CONTRA COSTA COUNTY District 04		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Vasco Road Camino Diablo to Vasco Road: reconstruct roadway. (6 miles south)	Contra Costa County	X																			X
(b) Marsh Creek Road Summit to Morgan Territory Road: widen	Contra Costa County	X																			X
(c) Camino Diablo Vasco Road to 2 miles east: widen	Contra Costa County	X																			X
TOTAL FEDERAL AID SECONDARY - CONTRA COSTA COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				650		650	650								
(b)				450		450		450							
(c)				400		400			400						
				1,500		1,500	650	450	400						

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID SAFER OFF SYSTEM - CONTRA COSTA COUNTY District 4		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT less than ½ million $)	
(a) Deer Valley Road Bridge replacement and road realignment at Marsh Creek.	Contra Costa County																X				
TOTAL SAFER OFF SYSTEM - CONTRA COSTA COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				300		300	300								
				300		300	300								

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - MARIN COUNTY District 04 North			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 1 PM 21.2/28.5 HA3017 1.6 miles south of Olema Creek to Lagunitas Creek: resurfacing.	HA3 STA	CALTRANS																			
(b) Rte. 1 PM 44.3/44.5 380241 At Walker Creek (Bridge No 27-26): replacement of bridge	HA21 BR	CALTRANS																			
(c) MRN-1 PM 26.5/28.6 Olema to Pt. Reyes Station: construct shoulders for bicycle traffic.	HE3	CALTRANS																			
(d) Rte. 1 PM 45.3/50.5 HA3023 Petaluma Road to Sonoma County Line: resurfacing.	HA3 STA	CALTRANS																			
(e) Rte. 1 PM 47.3/47.5 380251 At Stemple Creek (Bridge No. 27-27): replace timber bridge.	HA21	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				229	8	310				310				C	
(b)				533	8	620		620						C	
(c)				220		220				220				C	
(d)				163	8	240					240			C	
(e)				419	8	530			530					C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - MARIN COUNTY District 04 North (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 17 PM L0.0/1.6 034021 HA21 STA At Richmond-San Rafael Bridge: lower pier elements - Stage III: install corrosion protection system.	CALTRANS																			
(b) Rte. 17 PM L0.0/L1.6 034001 HA4 STA At the Richmond-San Rafael Bridge: Stage I - install corrosion protection system.	CALTRANS																			
(c) Rte. 17 PM 1.7/2.1 380691 HB32 F Bellam Boulevard and Route 17/101 Interchange: highway planting.	CALTRANS																			
(d) Rte. 17 PM 2.0/2.1 393191 HB44 M In San Rafael @ Bellam Boulevard undercrossing: widen roadway, resurface and install signals.	CALTRANS																			
(e) Rte. 101 PM 6.7/10.3 HA3024 HA3 STA Sir Francis Drake Boulevard to South of Irwin Street Connector: resurfacing.	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				743	8	940			940					C	
(b)				808	8	940		940						C	
(c)				318	8	430				430				C	
(d)				214	8	230	230							C Total exc cost =$690 (FAU)	
(e)				184	8	270					270			C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - MARIN COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) MRN-101 PM 8.5 Construct pedestrian/bicycle path on Corte Madera Creek Bridge.	HE3	CALTRANS																				
(b) Rte. 101 PM 10.3/15.6 HA3009 Irwin Street to Miller Creek Road: resurfacing.	HA3 STA	CALTRANS																				
(c) Rte. 101 PM 10.8/14.4 397841 San Rafael Viad to Manuel Freitas: HOV lane (northbound) - First Stage (HOV = High Occupancy Vehicle)	HB42 F	CALTRANS																				
(d) Rte. 101 PM 14.7/18.0 380751 South Lucas Valley Road to Ignacio Boulevard: highway planting.	HB32 F	CALTRANS																				
(e) Rte. 101 PM 17.9/18.1 391121 Ignacio Boulevard Interchange: modify interchange.	HB43 M	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				240		240		240						C	
(b)				499	8	580		580						C	
(c)				360	8	530					530			C	
(d)				218	8	320					320			C	
(e)				731	8	790	790							R Total esc. cost = $1,432 (FAU)	
				47	8	50	50							C	
				778		840	840							T	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - MARIN COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 101 PM R20.5/R22.2 432721 Novato Creek to North Atherton Avenue overcrossing: highway planting.	HB32 F	CALTRANS																				
(b) Rte. 920 PM 0.0 A21003 Bridge reconstruction - lump sum/minor program.	HA21	CALTRANS																				
(c) Rte. 920 PM 12.0 A40003 Protective Betterments - lump sum/minor program	HA4	CALTRANS																				
(d) Rte. 930 PM 2.0 831103 Community noise attenuation - lump sum/ minor program.	HB311	CALTRANS																				
(e) Rte. 930 PM 6.0 B32003 Highway planting - lump sum/minor program.	HB32	CALTRANS																				
(f) Rte. 930 PM 12.0 B43003 Freeway Traffic Service - lump sum/minor program.	HB43	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				530	8	780					780			C	
(b)				301		301	202	21	24	26	28			C	
(c)				205		205		64	46	47	48			C	
(d)				346		346		83	83	89	91			C	
(e)				40		40			23	17				C	
(f)				102		102	20	20	20	21	21			C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - MARIN COUNTY District 4 North (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 930 PM 13.0 B44003 HB44 Conventional Highway & Expressway Operation - lump sum/minor program.	CALTRANS																				
(b) Rte. 940 PM 0.0 E11003 HE11 Roadway Construction Cleanup H & P - lump sum/minor program.	CALTRANS																				
(c) Rte. 101 HB42 From Greenbrae to Route 37: design, right-of-way, and EIR costs for northbound and southbound HOV (High Occupancy Vehicle) lanes to connect with existing lanes at Greenbrae.	CALTRANS																				
TOTAL NON-INTERSTATE PROJECTS - MARIN COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				168		168	33	33	33	34	35			C	
(b)				136		136	39	29	22	23	23			R	
(c)				2,700		2,700	2,700							P/R/EIR Total est. cost =$3.7 million.	
				10,454		12,018	4,064	2,630	1,721	1,217	2,386				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - MARIN COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Route 101 Interchange @ Route 131 Revise interchange from full cloverleaf to par-clove to improve operational safety by elimination of weaving conflicts; widen from two-to-four lanes on overcrossing and install traffic signals @ two intersections.	CALTRANS	X																	X		
(b) Bus Stop Turnouts and Benches Construct turnouts at 25 sites, including pavement restoration, passenger waiting platform, curb, gutter, and drainage improvement, and installation of benches at 300 stops.	Marin County	X								X										X	
(c) Bus Transit Commuter Parking Lot-Lucas Valley Construct fringe area parking lot for 88 commuters adjacent to interchange at Route 101.	GGBHTD*			X							X							X			
(d) Bus Stop-Route 101/North San Pedro Road Construct northbound bus stop along highway between off-and-on-ramps. This stop will provide full service @ interchange with existing southbound stop.	CALTRANS			X					X									X			
*Golden Gate Bridge, Highway & Transportion District																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	725	118		843		843	843 (725)							C	
(b)	216		35	251		251	251 (216)					CE		C	
(c)	83		14	97		97	97 (83)							C	
(d)	35	65		100		100	100 (35)							C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - MARIN COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	TRANSIT MANAGEMENT: PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Route 131, Tiburon Boulevard Between Reed Ranch Road and Stewart Drive: realign and widen from two to four lanes with median and bicycle/pedestrian facilities.	CALTRANS	X		X																	X
(b) Route 101 Interchange @ Ignacio Boulevard Extend overcrossing to Bel Marin Keys Boulevard across North Western Pacific Rail Road, install traffic signals @ Nave Drive ramp intersection, provide pedestrian/bicycle facilities.	CALTRANS	X		X																X	
(c) Route 101 Interchange @ Lincoln Avenue/ Merrydale Road Connect adjacent arterials parallel to highway to form local two lane continuous frontage road; improve ramp connections; eliminate at-grade intersection.	CALTRANS	X																		X	
TOTAL FEDERAL AID URBAN - MARIN COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	340	55		395	8	424	28 (24)	396 (341)				EIS		C	
(b)	1,860	45	255	2,160	8	2,333		732 (629)	1,128 (970)	473 (407)				C	
(c)	1,715	190	95	2,000	8	*2,512				655 (563)	1,128 (970)			C *Remainder of project, $729,000 (627,000) financed in 1984-85.	
	4,974	473	399	5,846		6,560	1,319 (1,083)	1,128 (970)	1,128 (970)	1,128 (970)	1,128 (970)				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID SECONDARY - MARIN COUNTY District 04		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Tomales - Petaluma Road Realignment and minor widening along a 1.2 mile portion.	Marin	X																			X
(b) Nicasio Valley Road Widen bridge to improve traffic safety and sight distance. PM 3.8	Marin County	X																			X
TOTAL FEDERAL AID SECONDARY - MARIN COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	450			450		450	450 (450)								
(b)	100			100		100	100 (100)								
	550			550		550	550 (550)								

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID SAFER OFF SYSTEM (SOS) - MARIN COUNTY District 04		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Sir Francis Drake Boulevard @ PM 25.00 - Replace box culvert @ Tomales Bay	Marin County	X																		X
(b) Indian Valley Road @ Indian Springs Realign curves for improved traffic safety.	Marin County	X																		X
(c) Paradise Drive Construct sidewalk along east side of road east of Mar West.	City of Tiburon			X																X
(d) Centro East & Mar West Installation of guardrail.	City of Tiburon	X																		X
TOTAL SAFER OFF SYSTEM - MARIN COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	79		14	93		93	93 (79)							Completes financing of project constructed Summer, 1978. Total cost =$175 (149)	
(b)	58	12		70		70	70 (58)								
(c)	53		29	82		82	82 (53)								
(d)	35		3	38		38	38 (35)							Federal Funds consist of: SOS: $10 SRS: 25 Total: $35	
	225	12	46	283		283	283 (225)								

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - NAPA COUNTY
District 04 North
(continued)

PROJECT DESCRIPTION		LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 29 PM 10.6/12.4 380511 Jefferson Street to Solano Avenue: plant restoration.	HA25 F	CALTRANS																			
(b) Rte. 29 PM 13.0/19.0 380721 Trancas Street to Cal Drive Undercrossing (portions): highway planting.	HB32 STA	CALTRANS																			
(c) Rte. 29 PM 13.0/39.5 HA3005 From Trancas Road to Tubbs Lane: resurfacing.	HA3 STA	CALTRANS																			
(d) Rte. 29 PM 29.3/36.9 HA3011 York Creek to Northwest Junction of Route 128: resurfacing.	HA3 STA	CALTRANS																			
(e) Rte. 128 PM 5.2/5.3 410081 East of Rutherford @ Napa River Bridge (Bridge No. 21-20): replace bridge.	HA21 BR	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				261	8	330			330					C	
(b)				111	8	150				150				C	
(c)				233	8	250	250							C	
(d)				253	8	320			320					C	
(e)				93	8	100	100							R	
				428	8	460	460							C	
				521		560	560							T	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - NAPA COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 910 PM 0.0 A12004 Maintenance of Lands & Buildings - lump sum/minor program	HA1 STA	CALTRANS																				
(b) Rte. 920 PM 10.0 A30004 Resurfacing - lump sum/minor program.	HA3	CALTRANS																				
(c) Rte. 930 PM 0.0 B10004 Safety Improvements - lump sum/minor program	HB1	CALTRANS																				
(d) Rte. 930 PM 2.0 B31104 Community Noise Attenuation - lump sum/minor program	HB311	CALTRANS																				
(e) Rte. 930 PM 12.0 B44004 Conventional Highway & Expressway Operation - lump sum/minor program	HB44	CALTRANS																				
TOTAL NON-INTERSTATE PROJECTS - NAPA COUNTY																						

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				48		48	48							C	
(b)				170		170		68	51	34	17			C	
(c)				2,098		2,098	95	466	489	519	529			C	
(d)				276		276		66	66	71	73			C	
(e)				112		112	22	22	22	23	23			C	
				4,083		4,314	975	622	1,278	797	642				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - NAPA COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
Napa Urban Area																				
(a) Highway 29 - Redwood-Trancas Signal modifications and additional left turn lane.	CALTRANS																			X
(b) Redwood Road @ Redwood Creek Replace existing narrow bridge west of Dry Creek Road - Redwood Road intersection.	Napa County																X			
(c) Browns Valley Road @ Thompson Avenue Replace narrow bridge at south branch of Napa Creek and improve intersection.	Napa County																X			
(d) Linda Vista Avenue @ Napa Creek Bridge and street construction for north-south circulation link.	Napa County																			X

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	315	38	71	424		424	424 (315)					ND	NR		
(b)	350		130	480		480			480 (350)						
(c)	250		180	430		430					430 (250)				
(d)	350		130	480		480					480 (350)				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - NAPA COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	TRANSIT MANAGEMENT: PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
San Francisco-Oakland Urbanized Area																					
(a) American Canyon Road Resurfacing and safety widening; from Southern Pacific Railroad 0.6 mile easterly to Flosden.	Napa County																				X
(b) American Canyon Road Safety widening from Broadway easterly to Flosden Road.	Napa County																				X
TOTAL FEDERAL AID URBAN - NAPA COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	66		14	80	8	86		86 (72)							
(b)	45		9	54	8	71					71 (60)				
	1,376	38	534	1,948		1,971	424 (315)	86 (72)	480 (350)		981 (660)				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - CITY & COUNTY OF SAN FRANCISCO (District 4)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT										
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte 280 PM R4.7/R4.8 949109 HB312 Pelton Junior High: school noise attenuation		CALTRANS																					
(b) Rte. 280 PM R6.6/R6.7 398961 HA4 China Basin Unit 1 Bridge No. 34-100: earthquake restrainers (4F)		CALTRANS																					
(c) Rte. 280 PM T7.5/R7.6 HE11 4th Street On-ramp: construct on-ramp		CALTRANS																					
(d) Rte. 280 PM R7.8/R8.1 207011 HE11 Third Street to The Embarcadero: construct ramps		CALTRANS																					
(e) Rte. 920 PM 2.1 A22035 HA22 Luminaire bases, sodium lamps; lump sum/minor program.		CALTRANS																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				623	8	670	670							C	
(b)				353	8	380	380							C	
(c)				113	8	120	120							R	
(d)				285	8	330		330						R	
				1,680	8	2,270				2,270				C	
				1,965		2,600		330		2,270				T	
(e)				170		170	34	34	34	34	34			C	

) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - CITY & COUNTY OF SAN FRANCISCO (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING, MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 920 PM 12.0 A40005 HA4 Protective betterments; lump sum/minor program.	CALTRANS																			
(b) Rte. 920 PM 12.1 A40045 HA4 Edge drains, lateral support, restrainers. Lump sum/minor program.	CALTRANS																			
(c) Rte. 930 PM 2.0 B31105 HB311 Community Noise Attenuation; lump sum/minor program.	CALTRANS																			
(d) Rte. 940 PM 0.0 E11005 HE 11 Roadway construction cleanup H & P; Lump sum/minor program	CALTRANS																			
TOTAL FEDERAL AID INTERSTATE - CITY & COUNTY OF SAN FRANCISCO																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				8		8		8						C	
(b)				53		53				53				C	
(c)				735		735		188	188	178	181			C	
(d)				525		525	125	110	90	100	100			R	
				4,545		5,261	1,329	670	312	2,635	315				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - CITY & COUNTY OF SAN FRANCISCO District 04 North			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 1 PM 0.0/4.0 402711 San Mateo County Line to Lincoln Way: resurfacing.	HA3 M	CALTRANS																				
(b) Rte. 35 PM 1.8/3.2 HA3014 Sloat Boulevard to Junction Route 1: (19th Avenue): resurfacing.	HA3 STA	CALTRANS																				
(c) Rte. 101 PM 2.9/4.1 380471 Army Street to Mariposa: upgrade irrigation and planting.	HA25 F	CALTRANS																				
(d) Rte. 101 PM 5.4/5.5 949228 St. Paulus Lutheran, 888 Turk Street: school noise attenuation.	HB312 STA	CALTRANS																				
(e) Rte. 480 PM 4.5/4.6 402661 Various locations on Routes 1,101,280,480: earthquake restrainers	HA4 F	CALTRANS																				
(f) Rte. 910 PM 0.0 G83205 Administration (L & B) - lump sum/minor program.	HA1 STA	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				74	8	80	80							C Total esc. cost =$365 (FAU)	
(b)				190	8	240			240					C	
(c)				251	8	270	270							C	
(d)				233	8	250	250							C	
(e)				205	8	220	220							C	
(f)				189		189	39	34	38	38	40			P	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - CITY & COUNTY OF SAN FRANCISCO District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 910 PM 0.0 A12005 Maintenance of Lands & Buildings - lump sum/minor program.	HA1 STA	CALTRANS																				
(b) Rte. 920 PM 12.0 A40005 Protective Betterments - lump sum/minor program	HA4	CALTRANS																				
(c) Rte. 920 PM 12.1 A40045 Edge Drains, Lateral Support, Restrainers - lump sum/minor program	HA4	CALTRANS																				
(d) Rte. 930 PM 0.0 B10005 Safety Improvements - lump sum/minor program	HB1	CALTRANS																				
(e) Rte. 930 PM 2.0 831105 Community Noise Attenuation - lump sum/minor program	HB311	CALTRANS																				
(f) Rte. 930 PM 12.0 B42005 Freeway Congestion Improvement - lump sum/minor program	HB42	CALTRANS																				
(g) Rte. 970 PM 1.0 PROP 5 E Highway/Guideway Decision Reserve - San Francisco County (SF Muni)	MB22	CALTRANS																				
TOTAL NON-INTERSTATE PROJECTS - CITY & COUNTY OF SAN FRANCISCO																						

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				79		79		17	19	21	22			C	
(b)				93		93		31	20	21	21			C	
(c)				52		52				52				C	
(d)				737		737		172	180	190	195			C	
(e)				621		621		148	148	161	164			C	
(f)				645		645	125	127	127	128	138			C	
(g)				7,500		7,500	1,300	1,400	1,500	1,600	1,700				
				10,869		10,976	2,284	1,929	2,272	2,211	2,280				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT less than ½ million $)
(a) Mission Street(1) Resurfacing: county line to Persia Avenue: placing of a roadway surface. Project length: 1.4 miles.	City/ County of San Francisco																X			
(b) Mission Street(1) Resurfacing; Mission Street: Murray to Army Streets: placing of a roadway surface. Project length: 1.10 miles.	City/ County of San Francisco																X			
(c) Folsom Street(1) Resurfacing; Folsom Street: 19th Street to Army Street: placing of a roadway surface. Project length: 0.84 miles.	City/ County of San Francisco																X			
(d) Howard Street(1) Resurfacing; Howard Street: 3rd to 12th Streets: placing of a roadway surface. Project length: 1.30 miles.	City/ County of San Francisco																X			
(1) Streets only projects.																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	189		39	228		228	228 (189)					CE	R		
(b)	182		37	219		219	219 (182)					CE	R		
(c)	111		23	134		134	134 (111)					CE	R		
(d)	112		23	135		135	135 (112)					CE	R		

(4) Current costs shown are for construction and construction engineering only. There will be no application for R or P costs.

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) California Street[1] Resurfacing: California Street: Scott Street to Park Presidio Boulevard: placing of a roadway surface. Project length: 1.85 miles.	City/ County of San Francisco																X				
(b) Third Street[1] Resurfacing: 3rd Street: Custer to Newcomb Avenues: placing of a roadway surface. Project length: 0.61 miles.	City/ County of San Francisco																X				
(c) 19th Avenue[1] Resurfacing: 19th Avenue: county line to Lincoln Way: placing of a roadway surface. Project length: 3.96 miles.	CALTRANS																X				
(d) Elk Street[1] Restoration: Elk Street: Bosworth to Sussex Streets: pavement restoration. Project length: 0.15 miles.	City/ County of San Francisco																X				
(1) Streets only projects.																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	241		49	290		290	290 (241)					CE	R		
(b)	141		29	170		170	170 (141)					CE	R		
(c)	303	62		365		365	365 (303)					CE	R	State project; state matching funds.	
(d)	78		16	94		94	94 (78)					CE	R		

(4) Current costs shown are for construction and construction engineering only. There will be no application for R or P costs.

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT										
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Mission Street(1) Resurfacing: Mission Street: 6th Street to The Embarcadero: placing of a roadway surface. Project length: 1.24 miles.	City/ County of San Francisco																	X				
(b) O'Shaughnessy Boulevard(1) Resurfacing: O'Shaughnessy Boulevard: Portola Drive to West of Del Vale Avenue: placing of a roadway surface. Project length: 0.45 miles.	City/ County of San Francisco																	X				
(c) Handicapped Ramps on FAU Streets(1) Various locations: construct handicap ramps on FAU streets.	City/ County of San Francisco															X						
(d) Traffic Signals(1) Various locations: instalation of new traffic signals; and at various locations modification of existing signals for improved visibility and safety.	City/ County of San Francisco	X																				
(1) Streets Only Projects																						

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	159		33	192		192	192 (159)					CE	R		
(b)	19		4	23		23	23 (19)					CE	R		
(c)	521		107	628	10	799	90 (75)	90 (75)	94 (78)	284 (235)	241 (200)	CE	R	Specific location of projects are not known but are under study.	
(d)	1,437		294	1,732	10	2,093	436 (362)	301 (250)	452 (375)	452 (375)	452 (375)	CE	R	Specific location of projects are not known but are under study.	

(4) Current costs shown are for construction & construction engineering only. There will be no application for R or P costs.

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Earthquake Work (Transit Streets)(1) Various locations: reinforcement of structures on or over transit streets.	City/ County of San Francisco																X				
(b) Lake Merced Boulevard(1) Resurfacing: Lake Merced Boulevard: Brotherhood Way to Winston Drive: placing of a roadway surface. Project length: 0.66 miles.	City/ County of San Francisco																X				
(c) Fillmore Street(1) Resurfacing: Fillmore Street: Filbert to Chestnut Streets: placing of a roadway surface. Project length: 0.18 miles.	City/ County of San Francisco																X				
(d) Alemany Boulevard(1) Resurfacing: Alemany Boulevard: St. Charles Avenue to Brotherhood Way: placing of a roadway surface. Project length: 0.47 miles.	City/ County of San Francisco																X				
(1) Streets Only Projects.																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	200		41	241		241	241 (200)					CE	R	Specific location of projects are not known but are under study.	
(b)	136		28	164		164	164 (136)					CE	R		
(c)	18		4	22		22	22 (18)					CE	R		
(d)	51		11	62		62	62 (51)					CE	R		

(4) Current costs are shown for construction and construction engineering only. There will be no application for R or P costs.

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Silver Avenue[1] Resurfacing: Silver Avenue: Bayshore Boulevard to Palou Avenue: placing of a roadway surface. Project length: 0.51 miles.	City/ County of San Francisco																X				
(b) McAllister Street[1] Resurfacing: McAllister Street: Gough to Market Streets: placing of a roadway surface. Project length: 0.60 miles.	City/ County of San Francisco																X				
(c) Turk Street[1] Resurfacing: Turk Street: Van Ness Avenue to Market Street: placing of a roadway surface. Project length: 0.67 miles.	City/ County of San Francisco																X				
(d) Golden Gate Avenue[1] Resurfacing: Golden Gate Avenue: Parket Avenue to Market Street: placing of a roadway surface. Project length: 2.41 miles.	City/ County of San Francisco																X				
(1) Streets Only Projects																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	47		10	57		57	57 (47)					CE	R		
(b)	80		16	96		96	96 (80)					CE	R		
(c)	84		17	101		101	101 (84)					CE	R		
(d)	196		40	236		236	236 (196)					CE	R		
	(4) Current costs shown are for construction & construction engineering only. There will be no application for R or P costs.														

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Monterey Boulevard(1) Resurfacing: Monterey Boulevard: Santa Clara to Ridgewood Avenues and Circular Avenue to Diamond Street: placing of a roadway surface. Project length: 0.95 miles.	City/ County of San Francisco																X			
(b) Taraval Street(1) Resurfacing: Taraval Street: 19th to 30th Aves: placing of a roadway surface. Project length: 0.65 miles.	City/ County of San Francisco																X			
(c) Transit Preferential Streets Program(2) Implement and maintain transit operational improvements such as exclusive transit lanes, bus platforms, signal pre-empts, and reversible or contra-flow lanes. Streets to be treated will be slected from the following: Stockton St., Columbus Avenue to Sacramento St.; Van Ness Ave., Lombard to Market Streets; Mission St., Army to 14th Streets; Jefferson St., Hyde to Powell Streets; Beach Street, Polk to Powell Streets; Geary Street, Kearny to Gough Streets; O'Farrell Street, Franklin St. to Grant Avenue; Sutter Street, Sansome to Gough Street; Post Street, Gough to Market Streets; Clay Street, Powell to Drumm Streets; and Sacramento St., Drumm to Larkin Streets.	City/ County of San Francisco		X																	
(1) Streets Only Projects (2) Streets/Transit Projects																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	99		20	119		119	119 (99)					CE	R		
(b)	64		13	77		77	77 (64)					CE	R		
(c)	175		36	211		211	211 (175)					ND	R		

(4) Current costs shown are for construction and construction engineering only. There will be no application for R or P costs.

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Laguna Honda Boulevard-Forest Hill Station(2) Rehabilitation: Laguna Honda Boulevard and Woodside Avenue: realignment, rechannelization and other related street work connected with reconstruction of Forest Hill Station for Muni Metro. Project length: 0.15 miles.	City/ County of San Francisco																X				
(b) Signs for Bus Stops(3) Various locations: bus stop signs with transit service information.	City/ County of San Francisco									X											
(c) J-Line Connector(3) 30th Street, Dolores St., San Jose Avenue, and Ocean Avenue: Work connected with extension of "J" Line streetcar to Muni Metro Center. Project length: 1.97 miles.	City/ County of San Francisco								X												
(d) Vehicular Access Improvements-Glen Park BARTD(3) Develop the BARTD area to accomodate drop offs, a waiting area, and midday parking.	City/ County of San Francisco	X																			
(2) Streets/Transit Projects (3) Transit Only Projects.																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	1,250		256	1,506		1,506	1,506 (1,250)					EIR	NR	Dept. of Public Works portion of work only. For S. F. Municipal Railway's portion of work see Pg. 4-154 item (a).	
(b)	166		34	200		200	200 (166)					CE	R	Specific location of projects are not known but are under study.	
(c)	1,724		353	2,077		2,077	2,077 (1,724)					EIR	NR	Muni portion of work only. See Pg. 4-172 item (d) for Dept. of Public Wks. portion of work. Only FAU funds shown in Table. UMTA Grant Funds $1,765,100 Local Matching (UMTA) 441,300 Total Project Cost $4,283,600 (Includes FAU Totals)	
(d)	166		34	200		200	200 (166)					ND	NR	BARTD to provide local matching funds.	
	(4) Current costs shown are for construction and construction engineering only. There will be no application for R or P costs.														

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT										
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Forest Hill Station Reconstruction (3) Reconstruction of Forest Hill Station for Muni Metro.	City/ County of San Francisco																	X				
(b) Route and Schedule Display at the Transbay Terminal for San Mateo County Transit District (SamTrans) (3)	SamTrans									X												
(c) Route & Schedule Display at the (3) San Francisco International Airport for SamTrans	SamTrans									X												
(d) Lombard Street & Van Ness Avenue (1) Rechannelization: At the intersection of Lombard Street & Van Ness Avenue: widen Lombard Street, modify existing signal system, and construct pedestrian island at westerly crosswalk. Project length: 0.06 miles.	City/ County of San Francisco	X																				X
(1) Streets Only Projects (3) Transit Only Projects.																						

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000) CURRENT COST (4) FEDERAL	STATE	LOCAL	TOTAL	ESCALATION RATE %	ESCALATED COST	PROGRAM YEAR ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	ENVIRONMENTAL DOCUMENT TYPE	STATUS	REMARKS	PRIORITY
(a)	2,000		410	2,410		2,410	2,410 (2,000)					EIR	NR	Muni portion of work only. See Pgs. 4-150a, 4-152a for Dept. of Public Wks. portion of work. Only FAU funds shown in table. UMTA Grant Funds $ 7,636,300 Local Matching (UMTA) 2,223,600 Total Project Costs $12,269,900 (Includes FAU Totals)	
(b)	5		1	6		6	6 (5)					CE	NR	SamTrans to provide local matching funds.	
(c)	5		1	6		6	6 (5)					CE	NR	SamTrans to provide local matching funds.	
(d)	46	5	5	56		56	56 (46)					ND	R	This is a joint City/State Project. Matching funds to be split 50/50.	
	(4) Current costs shown are for construction & construction engineering only. There will be no application for R or P costs.														

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Marina District Traffic Improvements(1)(5) Signalizing intersections and narrowing sidewalks in the Marina District so as to encourage traffic to use Marina Boulevard rather than Cervantes Boulevard.	City/ County of San Francisco	X																		X
(b) Union Street(1) Resurfacing: Union Street: Scott Street to Columbus Avenue: placing of a roadway surface. Project length: 1.71 miles.	City/ County of San Francisco																X			
(c) Market Street(1) Rehabilitation and bike lanes: Market Street: Collingwood Street to McCoppin Street: widen sidewalks, construct landscaped median, and construct bike lane. Project length: 2.0 miles.	City/ County of San Francisco			X													X			
(d) Broadway(1) Restoration: Broadway: Leavenworth to Jones St. Pavement restoration. Project length: 0.08 miles.	City/ County of San Francisco																X			
(1) Streets Only Projects (5) Final plan to be decided by Board of Supervisors																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	100		21	121		121	121 (100)					ND	NR		
(b)	183		37	220		220	220 (183)					CE	R		
(c)	1,620		332	1,952		1,952	1,952 (1,620)					ND	NR		
(d)	93		19	112		112	112 (93)					CE	R		
	(4) Current costs are for construction engineering and construction only. There will be no application for R or P costs.														

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) 17th Street(1) Resurfacing: 17th Street: Market to Clayton Streets: placing of a roadway surface.	City/ County of San Francisco																X			
(b) Castro Street(1) Restoration: Castro Street: Alvarado to 23rd Streets: pavement restoration. Project length: 0.04 miles.	City/ County of San Francisco																X			
(c) Washington Street(1) Restoration: Washington Street: Powell to Stockton Streets: pavement restoration. Project length: 0.08 miles.	City/ County of San Francisco																X			
(d) Battery Street(1) Resurfacing: Battery Street: The Embarcadero to Market Street: placing of a roadway surface. Project length: 0.98 miles.	City/ County of San Francisco																X			
(1) Streets Only Projects.																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	78		16	94		94	94 (78)					CE	R		
(b)	50		10	60		60	60 (50)					CE	R		
(c)	54		11	65		65	65 (54)					CE	R		
(d)	118		24	142		142	142 (118)					CE	R		
	(4) Current costs shown are for construction and construction engineering only. There will be no application for P or R costs.														

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Folsom Street[1] Resurfacing: Folsom Street: 4th to 19th Streets: placing of a roadway surace. Project length: 1.80 miles.	City/ County of San Francisco																X			
(b) Folsom Street and Howard Street[1] Resurfacing: Folsom and Howard Streets: 3rd to Steuart Streets: placing of a roadway surface. Project length: 1.30 miles.	City/ County of San Francisco																X			
(c) Haight Street[1] Resurfacing: Haight Street: Stanyan to Baker Streets: placing of a roadway surface. Project length: 0.72 miles.	City/ County of San Francisco																X			
(d) California Street[1] Pedestrian Safety Modifications: California St.: Arguello Boulevard to Park Presidio Boulevard: installation of new traffic signals and channelization at various locations. Project length: 0.74 miles.	City/ County of San Francisco	X																		
(1) Streets Only Projects.																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	199		41	240		240	240 (199)					CE	R		
(b)	193		40	233		233	233 (193)					CE	R		
(c)	76		16	92		92	92 (76)					CE	R		
(d)	182		37	219		219	219 (182)					ND	NR		

(4) Current costs are shown for construction and construction engineering only. There will be no application for R or P costs.

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Traffic Signals[1] Various locations: intersections of Beach and Taylor Streets; Jackson & Polk Streets; Guerrero & 19th Streets; Mission Street & Precita Avenue: Installation of new traffic signals; and at various locations, modify existing signals for improved visibility and safety.	City/ County of San Francisco	X																			
(b) Bayshore Boulevard[1] Median Barrier Installation: Bayshore Blvd.: South of Army Street: installation of a median barrier along Bayshore Blvd. median south of Army Street interchange to U.S. 101 to improve traffic safety. Project length: 0.09 miles.	City/ County of San Francisco																			X	
(c) Skyline Boulevard & John Muir Drive[1] Traffic signals: installation of new traffic signals at the intersection of Skyline Blvd. and John Muir Drive. Project length: 0.02 miles.	City/ County of San Francisco	X																			
(d) Route 35[1] Resúrfacing: Route 35: 19th Avenue to Skyline Boulevard: placing of a roadway surface. Project length: 1.17 miles	CALTRANS																X				
(1) Streets Only Projects																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	695		142	837		837	837 (695)					CE	R		
(b)	24		5	29		29	29 (24)					CE	R		
(c)	75	10	5	90		90	90 (75)					CE	R	This is a joint City/State project. Matching funds split 1/3 & 2/3.	
(d)	136	28		164		164	164 (136)					CE	R	State project; state matching funds.	
	(4) Current costs are shown are construction and construction engineering only. There will be no application for R or P costs.														

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Handicapped Ramps on FAU Streets(1) Various locations: construct handicapped ramps on FAU Streets.	City/ County of San Francisco														X						
(b) Street Resurfacing(1) Various FAU Streets: pavement resurfacing.	City/ County of San Francisco																X				
(c) Duboce Avenue Transit Improvement Project(2) Duboce Avenue: Church to Belcher Streets: narrow sidewalks and construct streetcar island. Project length: 0.05 miles.	City/ County of San Francisco									X											
(d) Phelan Loop-New Roadway Construction(2) Construction of new roadway between Ocean and Phelan Avenues. Project length: 0.23 miles.	City/ County of San Francisco																			X	
(e) M-Line Extension Along San Jose Ave. & Broad St.(2) Street work connected with the extension of the M-Line streetcar to the Muni Metro Center @ San Jose & Geneva Avenues. Project length: Project length: 1.10 miles.	City/ County of San Francisco							X													
(1) Streets Only Projects (2) Streets/Transit Projects																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	187		38	225		225	225 (187)					CE	R		
(b)	200		41	241		241	241 (200)					CE	R	Specific locations of projects are not known but are under study.	
(c)	50		10	60		60	60 (50)					CE	R	Dept. of Public Works portion of work only. For S.F. Muni portion of work see Pg. 4-166 item (b).	
(d)	118		24	142		142	142 (118)					ND	R		
(e)	70		14	84		84	84 (70)					ND	R	Only FAU & local matching funds shown in table.	
														UMTA Grant Funds $1,228,800 Local Matching (UMTA) 307,200 Total Project Cost $1,620,300 (Includes FAU Totals)	
	(4) Current costs are shown for construction & construction engineering only. There will be no application for R or P costs.														

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT										
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Transit Preferential Streets Program(2) Implement and maintain transit operational improvements such as exclusive transit lanes, bus platforms, signal preempts, and reversable or contra-flow lanes. Streets to be treated will be slected from the following: Stockton Street, Columbus Avenue to Sacramento St; Van Ness Ave., Lombard to Market Streets; Mission St., Army to 14th Streets; Jefferson St., Hyde to Powell Streets; Beach Street, Polk to Powell Streets; Geary Street, Kearny to Gough Streets; O'Farrell Street, Franklin St. to Grant Avenue; Sutter Street, Sansome to Gough Streets; Post Street, Gough to Market Streets; Clay Street, Powell to Drumm Streets; and Sacramento Street, Drumm to Larkin Streets.	City/ County of San Francisco		X																			
(b) Duboce Avenue Rerail(3) Duboce Avenue: from Streetcar Tunnel to Church Street: rerail. Project length: 0.35 miles.	City/ County of San Francisco																	X				
(c) Golden Gate Transit Shelter(3) Construct transit shelter for Golden Gate Transit buses on 7th Street @ Market Street.	*GGBHTD									X												

(2) Streets/Transit Projects
(3) Transit Only Projects
* Golden Gate Bridge, Highway & Transportation District

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	100		21	121		121	121 (100)					ND	R		
(b)	480		98	578		578	578 (480)					CE	R	S.F. Muni portion of work only. For Dept. of Public Wks. portion of work see Pg. 4-164 item (c).	
(c)	17		3	20		20	20 (17)					CE	R	GGBHTD to provide local matching funds.	
	(4) Current costs shown are for construction and construction engineering only. There will be no application for R or P costs.														

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Golden Gate Transit Shelter(3) Construct transit shelter for Golden Gate Transit buses on Lombard at Fillmore Streets.	*GGBHTD									X										
(b) Signs for Bus Stops-Phase I (3) Various locations: bus stop signs with transit service information.	City/ County of San Francisco									X										
(c) Signs for Bus Stops-Phase II(3) Various locations: bus stop signs with transit service information.	City/ County of San Francisco									X										
(d) Escalator for Van Ness Station(3) Construct an escalator at Van Ness Avenue Station for Muni Metro.	City/ County of San Francisco									X										
(e) Bike Lane(1) Glen Park BARTD Station to Golden Gate Park: construct separate bike lane. Project length: 3.3 miles.	City/ County of San Francisco			X																

(1) Streets Only Projects
(3) Transit Only Project
* Golden Gate Bridge, Highway & Transportation District

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	17		3	20		20	20 (17)					CE	R	GGBHTD to provide local matching funds.	
(b)	150		31	181		181	181 (150)					CE	R	Specific locations of projects are not known but are under study.	
(c)	150		31	181		181	181 (150)					CE	R	Specific locations of projects are not known but are under study.	
(d)	125		26	151		151	151 (125)					CE	R		
(e)	51		11	62	10	68		68 (56)							
	(4) Current costs shown are for construction and construction engineering only. There will be no application for R or P costs.														

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Bayshore Boulevard Traffic Improvements(1) Signal modifications and channelization along Bayshore Boulevard between Army Street and Silver Avenue. Project length: 0.86 miles.	City/ County of San Francisco	X																			X
(b) North Point Street(1) Restoration: North Point Street: Columbus Avenue to The Embarcadero: pavement restoration. Project length: 0.64 miles.	City/ County of San Francisco																	X			
(c) 16th Street(1) Resurfacing: 16th Street: Capp Street to Potrero Avenue: placing of a roadway surface. Project length: 0.61 miles.	City/ County of San Francisco																	X			
(d) Post Street(1) Resurfacing: Post Street: Polk to Montgomery St: placing of a roadway surface. Project length: 0.99 miles.	City/ County of San Francisco																	X			
(1) Streets Only Projects.																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	173		36	209	10	229		230 (190)							
(b)	555		114	669	10	736		736 (610)							
(c)	69		14	83	10	91		91 (76)							
(d)	85		17	102	10	112		112 (93)							
	(4) Current costs shown are for construction and construction engineering only. There will be no application for R or P costs.														

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) San Jose Avenue - Eastern Slope Stabilization(1) Vicinity of Highland Avenue: construction of a wall and related work necessary to stabilize movement of slope adjacent to roadway.	City/ County of San Francisco																X			
(b) Update Signing on FAU Streets(1) Various locations: update non-standard traffic signs on streets in the FAU System to those meeting National Uniform Standards.	City/ County of San Francisco																X			
(c) Transit Preferential Streets Program(2) Various locations: various projects implementing transit operational improvements such as exclusive transit lanes, bus platforms, signal preempts, and reversible or contra-flow lanes.	City/ County of San Francisco		X																	
(d) J-Line Connector(2) 30th Street, Dolores Street, San Jose Avenue and Ocean Avenue: Street work connected with extension of J-Line streetcar to Muni Metro Center. Project length: 1.97 miles.	City/ County of San Francisco																X			
(1) Streets Only Projects. (2) Streets/Transit Projects.																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	339		70	409	10	450		450 (373)							
(b)	45		9	54	10	59		59 (50)						Specific locations of projects are not known but are under study.	
(c)	591		121	712	10	904		211 (175)	211 (175)	241 (200)	241 (200)			Specific location of projects are not known but are under study.	
(d)	182		37	219	10	241		241 (200)						Dept. of Public Wks. portion of work only. For S.F. Muni portion of work see 4-152 item (c).	
	(4) Current costs shown are for construction and construction engineering only. There will be no application for R or P costs.														

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Embarcadero Roadway - New Roadway Construction[2] The Embarcadero: Broadway to North Point Street: construct new roadway. Project length: 0.94 miles.	City/ County of San Francisco		X																X	
(b) Church Street[2] Resurfacing: Church Street: Market to 18th Streets: placing of a roadway surface. Project length: 0.43 miles.	City/ County of San Francisco																X			
(c) J-Line Rerail[3] Rerail from Market to 18th Streets. Project length: 0.43 miles.	City/ County of San Francisco																X			
(d) Embarcadero Roadway[3] Transit improvements along The Embarcadero from Broadway to North Point Street. Project length: 0.94 miles.	City/ County of San Francisco		X																	
(e) California Street[1] Reconstruction: California Street: Hyde to Jones Streets: pavement reconstruction. Project length: 0.17 miles.	City/ County of San Francisco																X			
(1) Streets Only Projects (2) Streets/Transit Projects (3) Transit Only Projects																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	2,727		559	3,286	10	3,615 (3,000)		3,615 (3,000)							
(b)	83		17	100	10	110		110 (91)							
(c)	679		139	818	10	900		900 (747)							
(d)	91		19	110	10	121		121 (100)							
(e)	108		22	130	10	157			157 (131)						
	(4) Current costs shown are for construction & construction engineering only. There will be no application for R or P costs.														

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Laguna Honda Boulevard(1) Resurfacing: Laguna Honda Boulevard: Noriega Street to Dewey Boulevard: placing of a roadway surface. Project length: 0.61 miles.	City/ County of San Francisco																X			
(b) Woodside Avenue(1) Resurfacing: Woodside Avenue: Dewey Boulevard to Portola Drive: placing of a roadway surface. Project length: 0.42 miles.	City/ County of San Francisco																X			
(c) Portola Drive Traffic Improvements(1) Signal modifications and channelization at various intersections along Portola Drive between Burnett Avenue and Sloat Boulevard for improved traffic safety and reduced congestion.	City/ County of San Francisco	X																		X
(d) Powell Street(1) Restoration: Powell Street: Sutter to Ellis Sts: pavement restoration. Project length: 0.25 miles.	City/ County of San Francisco																X			
(1) Streets Only Projects.																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	71		15	86	10	104			104 (86)						
(b)	46		9	55	10	67			67 (56)						
(c)	78		16	94	10	114			114 (94)						
(d)	110		23	133	10	161			161 (133)						
	(4) Current costs shown are for construction & construction engineering only. There will be no application for R or P costs.														

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Mason Street(1) Restoration: Mason Street: Washington to Green Streets: pavement restoration. Project length: 0.31 miles.	City/ County of San Francisco																X			
(b) Hyde Street(1) Restoration: Hyde Street: Chestnut to Bay Sts.: Pavement restoration. Project length: 0.12 miles.	City/ County of San Francisco																X			
(c) Reflective Pavement Markings(1) Various FAU Streets: installation of a reflective pavement markers on various FAU streets for positive delineation of traffic lanes.	City/ County of San Francisco																			X
(d) Bay Street(1) Resurfacing: Bay Street: Fillmore Street to The Embarcadero: placing of a roadway surface. Project length: 1.72 miles.	City/ County of San Francisco																X			
(e) Bayshore Boulevard(1) Resurfacing: Bayshore Blvd.: Third to Army Sts.: placing of a roadway surface. Project length: 2.36 miles.	City/ County of San Francisco																X			
(1) Streets Only Projects.																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	166		34	200	10	242			242 (201)						
(b)	75		15	90	10	109			109 (90)						
(c)	158		32	190	10	253			84 (70)	84 (70)	84 (70)			Specific location of projects are not known but are under study.	
(d)	164		34	198	10	240			240 (198)						
(e)	278		57	335	10	405			405 (336)						

(4) Current costs shown are for construction and construction engineering only. There will be no application for R or P costs.

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Sloat Boulevard(1) Resurfacing: Sloat Boulevard: 19th Avenue to Portola Drive: placing of a roadway surface. Project length: 0.19 miles.	City/ County of San Francisco																X			
(b) Divisadero Street(1) Resurfacing: Divisadero Street: Haight to California Streets: placing of a roadway surface. Project length: 1.13 miles.	City/ County of San Francisco																X			
(c) Embarcadero Track Extension for Light Rail Vehicles(2) Surface work necessary in connection with extension of Muni Metro tracks east of the Embarcadero Station. Project length: 0.20 miles.	City/ County of San Francisco																X			
(d) Cable Car Routes(2) Reconstruction: various locations: pavement reconstruction along existing cable car routes.	City/ County of San Francisco																X			
(e) M-Line Rerail(3) Rerail from Junipero Serra Boulevard to Plymouth Avenue. Project length: 1.06 miles.	City/ County of San Francisco																X			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	34		7	41	10	49			50 (41)						
(b)	137		28	165	10	200			200 (166)						
(c)	83		17	100	10	121			121 (100)					Only FAU Funds shown in Table. UMTA Grant funds $ 8,000,000 State TDA funds 2,000,000 Total Project Cost $10,000,000 (Includes FAU Totals)	
(d)	309		63	372	10	483			241 (200)	121 (100)	121 (100)				
(e)	826		169	996	10	1,205			1,205 (1,000)						

(1) Streets Only Projects (2) Streets/Transit Projects (3) Transit Only Projects.

(4) Current costs shown are for construction and construction engineering only. There will be no application for R or P costs

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Street Restoration[1] Various FAU Streets: placing of a roadway surface.	City/ County of San Francisco																X			
(b) Geary Boulevard[1] Resurfacing: Geary Boulevard: 48th to 28th Ave. and Park Presidio Blvd. to Masonic Avenue· placing of a roadway surface. Project length: 2.53 miles.	City/ County of San Francisco																X			
(c) Fulton Street[1] Resurfacing: Fulton Street: Great Highway to Park Presidio Boulevard: placing of a roadway surface. Project length: 2.13 miles.	City/ County of San Francisco																X			
(d) Earthquake Work (Non-Transit Streets)[1] Various locations: reinforcement of structures on or over non-transit streets.	City/ County of San Francisco																X			
(e) Ocean Avenue[2] Ocean Avenue: from Junipero Serra Blvd. to Lee Avenue: street work connected with the Muni K-Line Rerail. Project length: 1.14 miles.	City/ County of San Francisco																X			
(1) Streets Only Projects (2) Streets/Transit Projects																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	457		94	551	10	777				295 (245)	482 (400)			Specific location of projects are not known but are under study.	
(b)	186		38	224	10	299				299 (248)					
(c)	152		31	183	10	244				244 (202)					
(d)	263		54	317	10	422				422 (350)				Specific location of projects are not known but are under study.	
(e)	75		15	90	10	121				121 (100)				Dept. of Public Wks. portion of work only. For S.F. Muni portion of work see 4-184 item (a).	

(4) Current costs shown are for construction & construction engineering only. There will be no application for R or P costs.

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) K-Line Rerail[3] Rerail from Junipero Serra Boulevard to Lee Avenue. Project length: 1.14 miles.	City/ County of San Francisco																X			
(b) Park Presidio Boulevard[1] Resurfacing: Park Presidio Blvd.: Fulton to Lake Streets: placing of a roadway surface. Project length: 0.91 miles.	CALTRANS																X			
(c) Balboa Street[1] Resurfacing: Balboa Street: Great Highway to Arguello Boulevard: placing of a roadway surface. Project length: 2.87 miles.	City/ County of San Francisco																X			
(d) Franklin Street[1] Resurfacing: Franklin Street: Market to McAllister Streets: placing of a roadway surface. Project length: 0.40 miles.	City/ County of San Francisco																X			
(e) McAllister Street[1] Resurfacing: McAllister Street: Fillmore to Gough Streets: placing of a roadway surface. Project length: 0.46 miles.	City/ County of San Francisco																X			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	777		159	936	10	1,246				1,246 (1,034)				S.F. Muni portion of work only. For Dept. of Public Wks. portion of work see Pg. 4-182 item (e).	
(b)	114	23		137	10	201					201 (167)			State project. State matching funds.	
(c)	208		43	251	10	367					367 (304)				
(d)	26		5	31	10	46					46 (38)				
(e)	22		5	27	10	38					38 (32)				

(1) Streets Only Projects
(3) Transit Only Projects
(4) Current costs shown are for construction & construction engineering only. There will be no application for R or P costs.

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Hyde Street(1) Resurfacing: Hyde Street: Market to Bush Sts.: placing of a roadway surface. Project length: 0.72 miles.	City/ County of San Francisco																X			
(b) Leavenworth Street(1) Resurfacing: Leavenworth Street: McAllister to California Streets: placing of a roadway surface. Project length: 0.88 miles.	City/ County of San Francisco																X			
(c) Lower Market Street(2) Reconstruction: pavement reconstruction of Lower Market Street.	City/ County of San Francisco																X			
(d) Embarcadero Roadway(2) Construct a new roadway: Embarcadero Roadway: Broadway to Harrison Street: construct a new roadway. Project length: 0.87 miles.	City/ County of San Francisco		X																	
(e) Embarcadero Roadway(3) Construct overhead electrical lines and power substations. Embarcadero Roadway from Broadway to Harrison Street. Project length: 0.87 miles.	City/ County of San Francisco								X											
TOTAL FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO																				

(1) Streets Only Projects (2) Streets/Transit Projects (3) Transit Only Projects

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST (4)				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	48		10	58	10	84					84 (70)				
(b)	48		10	57	10	84					84 (70)				
(c)	1,025		210	1,234	10	1,807					1,807 (1,500)				
(d)	342		70	411	10	602					602 (500)				
(e)	683		140	823	10	1,205					1,205 (1,000)				
	28,284	128	5,668	34,079		38,352	16,896 (14,024)	7,335 (6,086)	4,257 (3,530)	3,809 (3,159)	6,055 (5,026)				

(4) Current costs shown are for construction and construction engineering only. There will be no application for R or P costs.

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID SAFER OFF SYSTEM - CITY & COUNTY OF SAN FRANCISCO District 04		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Safety Improvements Various locations in City of San Francisco	City/ County of San Francisco	X																		X
TOTAL SAFER OFF SYSTEM - CITY & COUNTY OF SAN FRANCISCO																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	190		35	225		225	225 (190)							Specific projects not yet determined.	
	190		35	225		225	225 (190)								

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - SAN MATEO COUNTY (District 4)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 280 PM R25.2/M27.0 380501 Route 1 to San Francisco county line: plant restoration	HA25	CALTRANS																				
(b) Rte. 380 PM 6.2/6.6 380761 7th Avenue to South Airport Boulevard: Stage II - highway planting	HB32	CALTRANS																				
(c) Rte. 920 PM 2.1 A22036 Luminaire bases, sodium lamps; lump sum/minor program.	HA22	CALTRANS																				
(d) Rte. 920 PM 6.0 A25006 Landscape restoration; lump sum/minor program	HA25	CALTRANS																				
(e) Rte. 920 PM 12.0 A40006 Protective Betterments; lump sum/minor program.	HA4	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				206	8	240		240						C	
(b)				545	8	690			690					C	
(c)				122		122	24	24	24	25	25			C	
(d)				85		85			85					C	
(e)				54		54	38	16						C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - SAN MATEO COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES — TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE — RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS — IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	TRANSIT MANAGEMENT — PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT — MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 920 PM 12.1 A40046 HA4 Edge drains, lateral support, restrainers; lump sum/minor program.	CALTRANS																				
(b) Rte. 930 PM 2.0 831106 HB311 Community noise attenuation; lump sum/minor program.	CALTRANS																				
(c) Rte. 930 PM 6.0 832006 HB32 Highway planting; lump sum, minor program.	CALTRANS																				
(d) Rte. 940 PM 0.0 E11006 HE11 Roadway construction cleanup H & P; lump sum/minor program.	CALTRANS																				
(e) Rte. 380 HE14 Construct collector ramp on Route 101 between San Bruno Avenue and Millbrae Avenue to provide a direct connection between I-380 and reconstructed San Francisco Airport Terminal Interchange.	CALTRANS																			X	
TOTAL FEDERAL AID INTERSTATE - SAN MATEO COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				57		57					57			C	
(b)				282		282		72	72	68	70			C	
(c)				144		114	114							C	
(d)				525		525	125	110	90	100	100			R	
(e)				13,000	8	16,300			16,300					C	
				15,020		18,469	301	462	17,261	193	252				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SAN MATEO COUNTY District 04 North			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT										
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 1 PM 0.6/39.3 HA3006 North Santa Cruz County Line to South San Pedro Avenue: resurfacing.	HA3 STA	CALTRANS																					
(b) Rte. 82 PM 9.5/11.7 HA3008 Hillsdale Avenue Overcrossing to Third Avenue (portions): resurfacing.	HA3 STA	CALTRANS																					
(c) Rte. 82 PM 11.7/15.2 HA3020 Third Avenue to North of Broadway (portions): resurfacing.	HA3 STA	CALTRANS																					
(d) Rte. 84 PM 0.0/8.5 HA3022 Route 1 to La Honda Creek Bridge (35-168): resurfacing.	HA3 STA	CALTRANS																					
(e) Rte. 84 PM 8.5/15.0 403451 La Honda Creek Bridge to Route 35: roadway reconstruction - widen to 28 feet	HA22 HS	CALTRANS																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				605	8	650	650							C	
(b)				181	8	210		210						C	
(c)				303	8	410				410				C	
(d)				238	8	350					350			C	
(e)				598	8	880					880			C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SAN MATEO COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 92 PM 0.0/5.2 HA3016 Route 1 to Route 35: resurfacing.	HA3 STA	CALTRANS																				
(b) Rte. 92 PM R9.4/R11.8 HA3018 West Hillsdale Undercrossing to Route 101: resurfacing.	HA3 STA	CALTRANS																				
(c) SM-92 PM 0.0/5.2 Provide shoulders for bicycle traffic - Phase I.	HE3	CALTRANS			X																	
(d) SM-92 PM 0.0/5.2 Provide shoulders for bicycle traffic - Phase II	HE3	CALTRANS			X																	
(e) Rte. 101 PM 0.0/6.6 LN0109 Santa Clara County Line to Whipple Avenue: ramp metering (southbound)	HB42 F	CALTRANS																				
(f) Rte. 101 PM 3.5/3.6 380651 In Menlo Park @ the Marsh Road Overcrossing: highway planting.	HB32 F	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				185	8	250				250				C	
(b)				190	8	240			240					C	
(c)				200		200			200					C	
(d)				200		200				200				C	
(e)				140	8	150	150							C	
(f)				261	8	330			330					C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SAN MATEO COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 101 PM 6.4/6.8 380681 At the Whipple Avenue Interchange: highway planting.	HB32 F	CALTRANS																				
(b) Rte. 101 PM 8.4/8.5 417420 Near Belmont @ Holly Street Overcrossing: highway planting.	HB32 G	CALTRANS																				
(c) Rte. 101 PM 16.6/23.7 402671 Various locations on Route 101 in San Francisco and San Mateo: earthquake restrainers (4Z)	HA4 F	CALTRANS																				
(d) Rte. 101 PM 21.9/24.0 380481 South San Francisco Overhead to 0.3 miles north of Sierra Point Overhead: plant restoration.	HA25 F	CALTRANS																				
(e) SM-101 PM 16.6/19.1 380291 Broadway overcrossing to Burlingame to San Francisco Airport overcrossing near Millbrae: roadway construction.	HA22	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				213	8	270			270					C	
(b)				261	8	330			330					C	
(c)				120	8	140		140						C	
(d)				270	8	290	290							C	
(e)				2,580		2,580				2,580				C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SAN MATEO COUNTY District 04 North (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) SM-101 PM 21.9/22.1 400591 HA4 Vicinity of California Pedestrian Overcrossing: drainage improvements.	CALTRANS																			
(b) Rte. 910 PM 0.0 A12006 HA1 STA Maintenance of Lands & Buildings - lump sum/minor program.	CALTRANS																			
(c) Rte. 920 PM 2.0 A22006 HA22 Roadway Reconstruction - lump sum/minor program.	CALTRANS																			
(d) Rte. 920 PM 6.0 A25006 HA25 Landscape Restoration - lump sum/minor program	CALTRANS																			
(e) Rte. 920 PM 12.0 A40006 HA4 Protective Betterments - lump sum/minor program	CALTRANS																			
(f) Rte. 920 PM 12.1 A40046 HA4 Edge Drains, Lateral Support, Restrainers - lump sum/minor program.	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				303		303	303							C	
(b)				215		215	26	42	45	49	53			C	
(c)				114		114		55	2	57				C	
(d)				113		113		113						C	
(e)				298		298	115	57	41	42	43			C	
(f)				57		57					57			C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SAN MATEO COUNTY District 04 North (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 930 PM 0.0 B10006 HB1 Safety Improvements - lump sum/minor program	CALTRANS																				
(b) Rte. 930 PM 2.0 831106 HB311 Community Noise Attenuation - lump sum/minor program	CALTRANS																				
(c) Rte. 930 PM 6.0 B32006 HB32 Highway Planting - lump sum/minor program	CALTRANS																				
(d) Rte. 930 PM 12.0 B44006 HB44 Conventional Highway & Expressway Operation - lump sum/minor program.	CALTRANS																				
(e) Rte. 930 PM 12.0 B42006 HB42 Freeway Congestion Improvement - lump sum/minor program	CALTRANS																				
(f) Rte. 930 PM 12.0 B43006 HB43 Freeway Traffic Service - lump sum/minor program	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				693		693	165	123	129	137	139			C	
(b)				344		344		82	82	89	91			C	
(c)				42		42	2	1	22	17				C	
(d)				1,121		1,121	218	223	223	226	231			C	
(e)				475		475	103	93	93	93	93			C	
(f)				20		20	4	4	4	4	4			C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SAN MATEO COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 940 PM 0.0 E11006 Roadway construct cleanup H & P - lump sum/ minor program.	HE11	CALTRANS																				
(b) Rte. 940 PM 2.0 E30006 Bicycle facilities - lump sum/minor program.	HE3	CALTRANS			X																	
(c) Rte. 960 PM 0.1 FAU 507 Lump sum - FAU Reserve	HE13 M	CALTRANS																				
(d) Rte. 960 PM 0.2 FAU 508 Lump sum - FAU Reserve	HB43 M	CALTRANS																				
(e) Rte. 960 PM 0.3 FAU 509 Lump sum - FAU Reserve	HB44 M	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				148		148	42	31	24	25	26			R	
(b)				226		226			34	90	102			C	
(c)				110		110	110							R	
				250		250	250							C	
				360		360	360							T	
(d)				231		231	1	230						C	
(e)				140		140	140							C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SAN MATEO COUNTY District 04 North (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 92/101 HE12 Route 92/101 Interchange: replace existing structures with direct freeway-to-freeway connections between Routes 92 and 101. Construct grade separation @ South Norfolk Street and new bridge over Mariner Lagoon.	CALTRANS	X																	X		
TOTAL NON-INTERSTATE PROJECTS - SAN MATEO COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				22,000		22,000			22,000					Total est. cost = $38 million/ $16 million from Bridge Replacement Fund.	
				33,245		34,380	2,569	1,404	24,069	4,269	2,069				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SAN MATEO COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) El Camino Real Poplar Avenue to 31st Street: channelization and signalization.	CALTRANS	X																	X	
(b) Woodside Road - Veterans Blvd. to Middlefield Rd. Realign southbound Rt. 101 off-ramp, modify signals at Boardway & Middlefield Rd.	CALTRANS	X																	X	
(c) El Camino Real - Sanchez to Lincoln Avenue Upgrade signals and eliminate left turns at five locations.	CALTRANS	X																		X
(d) Millbrae Avenue Widen to eight lanes from six substandard lanes, improve signals at El Camino Real.	City of Millbrae	X																	X	
(e) Holly Street/Route 101 Interchange Construction of northbound ramp and west-to-south loop.	CALTRANS	X																	X	
(f) El Camino Real - At Ravenswood Avenue Widening and signalization to provide adequate turning movements.	CALTRANS	X																	X	

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	513		105	618	7	661	661 (549)							FAU funds for the following projects: (pg. 4-208, item (a), to pg. 4-210, item (d) are expected to be obligated in FY 78-79. However, these projects are included in the 1979-80 Annual Element again to ensure their eligibilities for funding in the event of unanticipated delay.	
(b)	503		103	606	7	648	648 (538)								
(c)	109		18	127	7	136	136 (109)								
(d)	430		70	500	7	535	535 (430)								
(e)	1,578	28	295	1,901	7	2,034	2,034 (1,688)								
(f)	885		181	1,066	7	1,141	1,141 (947)								

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SAN MATEO COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING, MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Purchase of 12 40-foot passenger buses Equipped with lift to accomodate E & H persons.	SamTrans								X						X	X				
(b) Purchase of 8 35-foot passenger buses Equipped with lift for E & H persons.	SamTrans								X						X	X				
(c) Construct Canopy Over Bus Waiting Area	BARTD/ SamTrans									X								X		
(d) El Camino Real Hickey Boulevard to Arroyo Drive: widen to six lanes.	CALTRANS																		X	
(e) El Camino Real @ Hillsdale Boulevard Modification of intersections.	CALTRANS/ City of San Mateo																		X	
(f) Mission Street: signalization	Daly City	X																		X

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	800		130	930	7	995	995 (826)							For projects (a) thru (d), inclusive, please see the note on the previous page @ top of "remarks" column.	
(b)	1,070		174	1,244	7	1,331	1,331 (1,145)								
(c)	111		18	129	7	138	138 (119)								
(d)	2,738	445		3,183	7	3,406	3,406 (2,929)								
(e)	671		109	780		780	780 (671)								
(f)	77		13	90		90	90 (77)								

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SAN MATEO COUNTY (continued) (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT										
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Route 101/Whipple Avenue Interchange reconstruction	CALTRANS																		X		
(b) Airport Boulevard: Street reconstruction	South San Francisco																		X		
(c) Transit Reserve Please note remarks column	SamTrans										X					X					
(d) El Camino Real - Santa Cruz Avenue to Encinal Avenue Signalization and channelization.	City of Menlo Park	X																	X		
(e) Route 101 / University Avenue Ramp modification	CALTRANS																			X	
(f) Route 1 / Crespi Drive Signalization and intersection modification.	CALTRANS	X																		X	

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	1,712	279		1,991	7	2,130		2,130 (1,832)							
(b)	940		153	1,093	7	1,170		1,170 (1,006)							
(c)	2,475		402	2,877		2,877			959 (825)	959 (825)	959 (825)			30% of yearly FAU allocation. Each specific project must be reviewed & approved by FAU Committee prior to inclusion in the annual element program.	
(d)	516		84	600	7	684			684 (588)						
(e)	215	35		250	7	285			285 (245)						
(f)	194	31		225	7	257			257 (221)						

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SAN MATEO COUNTY (continued) (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) East 3rd Avenue Widen roadway and two bridges	City of San Mateo																			X	
(b) Peninsula Avenue Intersection modification	City of San Mateo																			X	
(c) Route 35 Sneath Lane to San Bruno Avenue: widen roadway.	CALTRANS																				X
(d) East 3rd Avenue - West of Route 101 Reconstruct bridge.	City of San Mateo																				X
TOTAL FEDERAL AID URBAN - SAN MATEO COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	2,750		448	**3,198**		3,198			1,013 (871)	2,185 (1,879)				Only portion of total project cost. FAU committee limited project to equivalent of one year's allocation.	
(b)	598		97	695	7	890					890 (765)				
(c)	421	69		490	7	628					628 (540)				
(d)	347		57	404	7	517					517 (445)			Separate project from item (a) above.	
	19,653	887	2,457	22,997		24,531	11,895 (10,028)	3,300 (2,838)	3,198 (2,750)	3,144 (2,704)	2,994 (2,575)				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID SAFER OFF SYSTEM - SAN MATEO COUNTY District 04		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Woodland Avenue Between Middlefield Road and Pope Street in Menlo Park: guard rail replacement.	City of Menlo Park															X					
TOTAL SAFER OFF SYSTEM - SAN MATEO COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	24		4	28		28	28 (24)								
	24		4	28		28	28 (24)								

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - SANTA CLARA COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 280 PM R0.0/R0.3 402331 HE14 Route 680/280/101 Interchange: construct direct connection movements (portions).	CALTRANS																				
(b) Rte. 280/ PM R0.0/R0.3 402341 HE14 Route 680/280/101 Interchange; construct direct connection movements (portions).	CALTRANS																				
(c) Rte. 920 PM 2.1 A22037 HA22 Luminaire bases, sodium lamps; lump sum/minor program.	CALTRANS																				
(d) Rte. 920 PM 6.0 A25008 HA25 Landscape restoration; lump sum/minor program.	CALTRANS																				
(e) Rte. 920 PM 12.0 A40007 HA4 Protective betterments; lump sum/minor program.	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				15,996	8	17,200	17,200							C	
(b)				9,942	8	14,620					14,620			C	
(c)				292		292	58	58	58	59	59			C	
(d)				100		100			100					C	
(e)				88		88	63	25						C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - SANTA CLARA COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES — TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE — RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS — IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	TRANSIT MANAGEMENT — PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT — MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 920 PM 12.1 A40047 HA4 Edge drains, lateral support, restrainers; lump sum/minor program.	CALTRANS																				
(b) Rte. 930 PM 2.0 B31107 HB311 Community noise attenuation; lump sum/minor program.	CALTRANS																				
(c) Rte. 940 PM 0.0 E11007 HE11 Roadway construction cleanup H & P; lump sum/minor program.	CALTRANS																				
TOTAL FEDERAL AID INTERSTATE - SANTA CLARA COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				20		20	20							C	
(b)				2,425		2,425		620	620	587	598			C	
(c)				442		442	107	86	74	85	90			R	
				29,305		35,187	17,448	789	852	731	15,367				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SANTA CLARA COUNTY District 04 North			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 9 PM 7.4/11.4 207531 Saratoga to Los Gatos: bicycle lanes.	HE3 F	CALTRANS			X																	
(b) Rte. 17 PM 8.8/12.3 380311 Lark Avenue Undercrossing to Hamilton Avenue Overcrossing: highway planting.	HB32 F	CALTRANS																				
(c) Rte. 17 PM R13.7/R17.9 380531 In San Jose from South of Moorpark Avenue Undercrossing to Route 101: plant restoration.	HA25 F	CALTRANS																				
(d) Rte. 17 PM R14.6/R16.0 400741 At Various Locations of Routes 280 to 82: highway sound wall.	HB311 F	CALTRANS																				
(e) Rte. 17 PM R19.0/R20.2 380661 South Brokaw Road to South Trimble Road: highway planting.	HB32 STA	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				86	8	100		100						C	
(b)				642	8	690	690							C	
(c)				215	8	290				290				C	
(d)				1,088	8	1,170	1,170							C	
(e)				111	8	140			140					C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SANTA CLARA COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 17 PM R19.2/19.3 381141 Inters. Off-ramp and Shallenberger Drive: channelization and widen ramp.	HB43 F	CALTRANS																				
(b) Rte. 82 PM 4.2/4.3 399341 At Umbarger Road: install traffic signals	HB44 M	CALTRANS																				
(c) Rte. 82 PM 11.5/11.6 381501 In Santa Clara @ Intersection of LaFayette Street modify traffic signals.	HB44 STA	CALTRANS																				
(d) Rte. 82 PM 18.8/21.6 151121 Route 85 to Showers Drive: 6 lane divided conventional highway.	HE12 STA	CALTRANS																				
(e) Rte. 82 PM 20.7/20.8 381301 At El Monte Avenue: widening and channelization	HB44 STA	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				19	8	20	20							C	
(b)				47	8	50	50							C Total cost $105	
(c)				37	8	40	40							C	
(d)				947	5	1,030		1,030						R Total Cost $9610 Local $7980	
				735	8	930			930					C	
				1,682		1,960		1,030	930					T	
(e)				19	8	20	20							C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SANTA CLARA COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 82 PM 24.0/24.1 395821 Intersection of El Camino & Page Mill Road: modify signals and channelization.	HB44 M	CALTRANS																				
(b) Rte. 85 PM 10.5/15.6 207541 Saratoga to Cupertino: bicycle lanes.	HE3 STA	CALTRANS			X																	
(c) Rte. 101 PM 0.0/0.1 228301 Pajaro River Bridge near San Benito county line: widen northbound shoulder.	HB1 F	CALTRANS																				
(d) Rte. 101 PM R17.2/R29.2 117321 South of Cochran Road to North of Route 82: four lane freeway with grade drainage structures.	HE14 F	CALTRANS																				
(e) Rte. 101 PM R17.2/R29.2 117371 South of Cochran Road to North of Route 82: four lane freeway, grading, paving	HE14 F	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				19	8	20	20							C Total Est $250, FAU $200	
(b)				74	8	80	80							C	
(c)				200	8	270				270				C	
(d)				250		250	250							R	
				19,130	8	20,570	20,570							C	
				19,380	8	20,820	20,820							T	
(e)				13,264	8	16,790			16,790					C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SANTA CLARA COUNTY District 04 North (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 101 PM 38.3/47.9 396171 HB42 F Junction of Route 17 to Moffett Boulevard: auxiliary lane ramp metering (southbound) (portion)	CALTRANS																			
(b) Rte. 101 PM 39.2/41.0 380741 HB32 F South North First Street to North Del La Cruz Boulevard: highway planting.	CALTRANS																			
(c) Rte. 101 PM 41.0/43.4 380641 HB32 F West of De La Cruz Boulevard to Agnew Road: highway planting.	CALTRANS																			
(d) Rte. 101 PM 42.5/43.1 380711 HB32 F Bowers Avenue Interchange: Stage I of highway planting.	CALT NS																			
(e) Rte. 101 PM 47.9/52.5 389131 HB42 F Moffett Boulevard to San Mateo County Line: R. Meter - HOV Bypass Lanes-Auxiliary lane southbound (HOV = High Occupancy Vehicle)	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				1,737	8	2,020		2,020						C	
(b)				252	8	340				340				C	
(c)				215	8	250		250						C	
(d)				266	8	360				360				C	
(e)				1,101	8	1,280		1,280						C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SANTA CLARA COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 101 PM 50.4/51.7 381351 San Antonio Road to Oregon Avenue: highway planting.	HB32 STA	CALTRANS																			
(b) Rte. 152 PM 5.0/7.9 207551 Santa Teresa to Watsonville Road: widening shoulders for bicycles.	HE3 RS	CALTRANS			X																
(c) Rte. 152 PM 30.7/34.7 HA3010 South Fork Pacheco Creek to 0.4 mile west of Merced County Line: resurfacing.	HA3 STA	CALTRANS																			
(d) Rte. 237 PM R0.8/1.5 142131 South of Southern Pacific Rail Road to South of Route 101: widening-Rail Road grade separation.	HB1 RRP	CALTRANS																			
(e) Rte. 910 PM 0.0 A12007 Maintenance of lands and buildings - lump sum/minor program.	HA1 STA	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				59	8	80				80				C	
(b)				84	8	90	90							C	
(c)				284	8	330		330						C	
(d)				214	8	230	230							C Total esc. cost =$1,830	
(e)				159		159		35	38	41	45			C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SANTA CLARA COUNTY District 04 North (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 920 PM 0.0 A21007 HA21 Bridge Reconstruction - lump sum/minor program.	CALTRANS																				
(b) Rte. 920 PM 2.0 A22007 HA22 Roadway Reconstruction - lump sum/minor program	CALTRANS																				
(c) Rte. 920 PM 6.0 A2500B HA25 Landscape Restoration - lump sum/minor program	CALTRANS																				
(d) Rte. 920 PM 10.0 A30007 HA3 Resurfacing: lump sum/minor program	CALTRANS																				
(e) Rte. 920 PM 12.0 A40007 HA4 Protective Betterments - lump sum/minor program.	CALTRANS																				
(f) Rte. 920 PM 12.1 A40047 HA4 Edge Drains, Lateral Support, Restrainers - lump sum/minor program.	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				71		71	71							C	
(b)				201		201	84	2	55	2	58			C	
(c)				130		130		130						C	
(d)				90		90		36	27	18	9			C	
(e)				314		314	85	72	51	52	54			C	
(f)				260		260			260					C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SANTA CLARA COUNTY District 04 North (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 930 PM 0.0 B10007 HB1 Safety Improvements - lump sum/minor program.	CALTRANS																				
(b) Rte. 930 PM 2.0 B31107 HB311 Community Noise Attenuation - lump sum/minor program	CALTRANS																				
(c) Rte. 930 PM 6.0 B32007 HB32 Highway Planting - lump sum/minor program.	CALTRANS																				
(d) Rte. 930 PM 10.0 834007 HB34 CA Vista Points and Roadside Enhancement - lump sum/minor program.	CALTRANS																				
(e) Rte. 930 PM 0.0 B10007 HB1 Safety Improvements - lump sum/minor program.	CALTRANS																				
(f) Rte. 930 PM 12.0 B42007 HB42 Freeway Congestion Improvement - lump sum/minor program.	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				1,729		1,729	400	440	283	300	306			C	
(b)				2,484		2,484		593	593	643	655			C	
(c)				50		50			29	21				C	
(d)				310		310	100	20	60	60	70			C	
(e)				312		312	61	62	62	63	64			C	
(f)				392		392	77	77	77	77	84			C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SANTA CLARA COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 930 PM 12.0 B44007 Conventional Highway & Expressway Operation - lump sum/minor program.	HB44	CALTRANS																				
(b) Rte. 940 PM 0.0 E11007 Roadway Construction Cleanup H & P - lump sum/minor program.	HE11	CALTRANS																				
(c) Rte. 940 PM 2.0 E30007 Bicycle Facilities - lump sum/minor program.	HE3	CALTRANS			X																	
(d) Rte. 960 PM 0.1 FAU510 Lump Sum - FAU Reserve	HE11 M	CALTRANS																				
(e) Rte. 960 PM 0.2 FAU511 Lump Sum - FAU Reserve	HB43 M	CALTRANS																				
(f) Rte. 970 PM 1.0 PROP5G Highway/Guideway Decision Reserve - Santa Clara County.	MB22 STA	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				2,520		2,520	490	500	500	510	520			C	
(b)				298		298	85	62	49	51	51			R	
(c)				125		125			19	50	56			C	
(d)				370		370					370			C	
(e)				75		75	75							R	
				501		501	1	190	310					C	
				576		576	76	190	310					T	
(f)				15,100		15,100	500	3,100	4,100	3,400	4,000			C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SANTA CLARA COUNTY District 04 North (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 152 HE12 Between Pacheco Creek Bridge and the existing four-lane section in the vicinity of the Merced County Line: widen roadway from two to four lanes and add median barrier and truck escape ramps.	CALTRANS	X																		X	
TOTAL NON-INTERSTATE PROJECTS - SANTA CLARA COUNTY ---																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				7,500		7,500			7,500						
				74,086		80,431	25,259	10,329	31,873	6,628	6,342				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SANTA CLARA COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT												ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT							
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Bus Stop, Signs and Shelters	Santa Clara County							X		X					X					
1. Benches and Signs																				
2. Minor Stop Improvements																				
3. Major Stop Improvements																				
4. Park-And-Ride Facilities											X									
5. Transfer Centers																				
6. Shelters																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a1)	50		10	60								NM	NR	P	
	50		10	60										R	
	250		50	300										C	
	350		70	420		420	120 (100)	100 (85)	100 (85)	50 (40)	50 (40)			T	
(a2)	100		20	120								NM	NR	P	
	60		20	80										R	
	500		100	600										C	
	660		140	800		800	400 (330)	100 (80)	100 (80)	100 (85)	100 (85)			T	
(a3)	100		20	120								NM	NR	P	
	60		20	80										R	
	500		100	600										C	
	660		140	800		800	400 (330)	100 (80)	100 (80)	100 (85)	100 (85)			T	
(a4)	125		25	150								NM	NR	P	
	330		70	400										R	
	375		75	450										C	
	830		170	1,000		1,000	500 (415)	200 (165)	100 (80)	100 (85)	100 (85)			T	
(a5)	180		40	220								NM	NR	P	
	400		80	480										R	
	670		130	800										C	
	1,250		250	1,500		1,500	900 (750)	200 (170)	200 (170)	100 (80)	100 (80)			T	
(a6)	80		20	100								NM	NR	P	
	80		20	100										R	
	340		60	400										C	
	500		100	600		600	300 (250)	100 (85)	100 (85)	50 (40)	50 (40)			T	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SANTA CLARA COUNTY (continued) (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Preferential Transit Treatment																					
1. Signal Pre-Emption Systems	Santa Clara County		X																		
2. Signal and/or Intersection Improvement																					
3. Preferential Transit Treatment in Central Business Districts																					
4. High Occupancy Vehicle Lanes (HOV) (including Route 237 & San Tomas Expressway)																					
(b) West Valley Transportation Corridor																					
1. Right-of-Way Acquisition	CALTRANS																			X	
2. Park-And-Ride Lots	Santa Clara County										X										

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000) CURRENT COST FEDERAL	STATE	LOCAL	TOTAL	ESCALATION RATE %	ESCALATED COST	PROGRAM YEAR ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	ENVIRONMENTAL DOCUMENT TYPE	STATUS	REMARKS	PRIORITY
(a1)	80		20	100								NM	NR	P	
	500		100	600										C	
	580		120	700		700	300	100	100	100	100			T	
							(250)	(80)	(80)	(85)	(85)				
(a2)	100		20	120								NM	NR	P	
	65		15	80										R	
	500		100	600										C	
	665		135	800		800	300	150	150	100	100			T	
							(250)	(125)	(125)	(85)	(80)				
(a3)	100		20	120								NM	NR	P	
	60		20	80										R	
	500		100	600										C	
	660		140	800		800	400	100	100	100	100			T	
							(330)	(85)	(85)	(80)	(80)				
(a4)	140	5	25	170								NM	NR	P	
	155	5	30	190										R	
	670	30	100	800										C	
	965	40	155	1,160		1,160	560	150	150	150	150			T	
							(465)	(125)	(125)	(125)	(125)				
(b1)	215	45		260								EIR	NR	P	
	2,895	595		3,490										R	
	3,110	640		3,750		3,750	530	290	290	300	2,340			T	
							(440)	(240)	(240)	(250)	(1,940)				
(b2)	15		5	20								EIR	NR	P	Right-of-way
	65		15	80										C	furnished by
	80		20	100		100	100							T	Caltrans.
							(80)								

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SANTA CLARA COUNTY (continued) (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Transit Rail Access Improvement Now (T.R.A.I.N.)	Santa Clara County																				
1. Southern Pacific Access Improvement								X													
2. Light Rail Starter Segment Parking Lots											X										
3. Light Rail Starter Segment Rail Crossing Protection																		X			
(b) Car Pooling Program																					
1. Administration	Santa Clara Co.					X															
2. Ramp Metering	CALTRANS		X																		

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a1)	55		15	70								NM	NR	P	
	40		10	50										R	
	270		50	320										C	
	365		75	440		440	240 (200)	50 (40)	50 (40)	50 (40)	50 (45)			T	
(a2)	50		10	60								EIR	NR	P	
	140		30	170										R	
	140		30	170										C	
	330		70	400		400		100 (80)	100 (80)	100 (85)	100 (85)			T	
(a3)	50		10	60								NM	NR	P	
	40		10	50										R	
	240		50	290										C	
	330		70	400		400		100 (80)	100 (80)	100 (85)	100 (85)			T	
(b1)	215		45	260		260	60 (50)	50 (40)	50 (40)	50 (40)	50 (45)	NM	NR	P & T	
(b2)	25		5	30								NM	NR	P	
	140		30	170										C	
	165		35	200		200		50 (40)	50 (40)	50 (40)	50 (45)			T	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SANTA CLARA COUNTY (continued) (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) SCL-101 Bayshore Freeway & San Tomas Expressway Interchange Additional travel lanes plus pedestrian and bicycle facilities,	CALTRANS			X																X	
(b) SCL-82 El Camino Real @ Oregon-Page Mill Expressway Modify signal and channelization.	Santa Clara County	X																			
(c) SCL-101 Monterey Road: glare screen	CALTRANS																		X		
(d) SCL-87 Guadalupe Freeway Southerly connection to South San Jose	CALTRANS																			X	

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	300	50	10	360			360 (300)					EIS	NR	P *Partially funded project. County R unable to financially parti- C cipate in construction contract. T Source of local share of $1,860,000 construction costs is undetermined.	
	880	180		1,060			1,060 (880)								
	1,860	770	1,860*	4,490			4,490 (1,860)								
	3,040	1,000	1,870	5,910		5,910	5,910 (3,040)								
(b)	40	5	5	50								NM	NR	P	
	40	5	5	50										R	
	200	10	40	250										C	
	280	20	50	350		350	350 (280)							T	
(c)	25	5		30								NM	NR	P	
	155	35		190										C	
	180	40		220		220	220 (180)							T	
(d)	330	70		400			400 (330)					EIS	NR	P	
	2,490	510		3,000				1,000 (830)	1,000 (830)	1,000 (830)				R	
	2,820	580		3,400		3,400	400 (330)	1,000 (830)	1,000 (830)	1,000 (830)				T	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SANTA CLARA COUNTY (continued) (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) SCL-17 Nimitz Freeway @ Brokaw Road Interchange Second stage southbound off-ramp.	CALTRANS																		X	
(b) SCL-280 Junipero Serra Freeway @ Saratoga Ave. Interchange revisions	CALTRANS																		X	
(c) SCL-101 Monterey Road Signal at Live Oak Avenue	CALTRANS	X																		
(d) Route 85 Saratoga-Sunnyvale Road Add lane in vicinity of Rainbox Drive in San Jose.	CALTRANS																			X

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	100 70 500	20 10 110		120 80 610								ND	NR	P R C	
	670	140		810		810	810 (670)							T	
(b)	205	45		250			250 (205)					ND	NR	P	
	1,060	220		1,280				600 (500)	680 (560)					C	
	1,265	265		1,530		1,530	250 (205)	600 (500)	680 (560)					T	
(c)	30 25 130	5 5 30		35 30 160								NM	NR	P R C	
	185	40		225		225	225 (185)							T	
(d)	30 25 115	5 5 20		35 30 135								ND	NR	P R C	
	170	30		200		200	200 (170)							T	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SANTA CLARA COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	TRANSIT MANAGEMENT: PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ milion $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) SCL-82 El Camino Real in Santa Clara Upgrading and beautification program.	CALTRANS																			X	
(b) San Tomas Expressway Noise attenuation - from Route 17 to Route 82	Santa Clara County																		X		
(c) San Tomas Expressway Two additional lanes and HOV (high-occupancy vehicle) provisions between south of Moorpark Avenue and Route 82.	Santa Clara County																			X	
(d) Santa Teresa Boulevard Between Hecker Pass Highway and Mantelli Drive: install new signal.	Santa Clara County																				X
(e) White Road between Story Road & Alum Rock Avenue: Widening from two to four lanes.	City of San Jose																			X	

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	170	30		200			200 (170)					EIS	NR	P	
	195	40		235				100 (80)	135 (115)					R First stage Right-of-way (around	
	365	70		435		435	200 (170)	100 (80)	135 (115)					T University of Santa Clara).	
(b)	40		10	50								ND	R	P	
	230		40	270										C	
	270		50	320		320	320 (270)							T	
(c)	80		20	100								ND	NR	P	
	170		830	1,000										C	
	250		850	1,100		1,100	200 (120)	900 (130)						T	
(d)	65	5	20	90								EIS	NR	P CALTRANS' partici-	
	40		10	50										R pation, 50% of	
	165	5	310	480										C signal cost @	
	270	10	340	620		620	620 (270)							T Hecker Pass Highway.	
(e)	250		50	300								ND	NR	P County funding	
	580		120	700										R may be involved.	
	890		180	1,070										C	
	1,720		350	2,070		2,070	2,070 (1,720)							T	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SANTA CLARA COUNTY (continued) (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) <u>County-wide Comprehensive Signal Program</u> Phase A	Santa Clara County	X													X						
(b) <u>County-wide Comprehensive Signal Program</u> Phase B	Santa Clara County	X													X						
(c) <u>County-wide Comprehensive Signal Program</u> Phase C	Santa Clara County	X													X						
(d) <u>Meridian Avenue @ Coleman Avenue</u> Intersection improvements and signalization.	City of San Jose	X													X						

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	25 25 150		5 5 40	30 30 190								NM	NR	P R C	
	200		50	250		250	250 (200)							T	
(b)	30 30 190		10 10 30	40 40 220								NM	NR	P R C	
	250		50	300		300	300 (250)							T	
(c)	180 60 380		40 10 80	220 70 460								NM	NR	P R C	
	620		130	750		750	150 (120)	150 (125)	150 (125)	150 (125)	150 (125)			T	
(d)	40 40 180		10 10 30	50 50 210								NM	NR	P R C	
	260		50	310		310	310 (260)							T	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SANTA CLARA COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Branham Lane @ Pearl Avenue Intersection improvements and signalization	City of San Jose	X													X						
(b) Comprehensive Signal Project III-B Signalization of various intersections within the City of San Jose: Comprehensive Signal Project III-B	City of San Jose	X													X						
(c) Comprehensive Signal Project IV Signalization of various intersections within the City of San Jose: Comprehensive Signal Project IV	City of San Jose	X													X						
(d) Comprehensive Signal Project V Signalization of various intersections within the City of San Jose: Comprehensive Signal Project V	City of San Jose	X													X						
(e) Route 87 Guadalupe Freeway Landscaping Route 280 to Julian Street	CALTRANS																	X			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	50		10	60								NM	NR	P	
	60		10	70										R	
	250		50	300										C	
	360		70	430		430	430 (360)							T	
(b)	150		30	180								CE	NR	P County funding	
	50		10	60										R may be involved.	
	820		170	990										C	
	1,020		210	1,230		1,230	1,230 (1,020)							T	
(c)	190		40	230								CE	NR	P County funding	
	50		10	60										R may be involved.	
	1,050		210	1,260										C	
	1,290		260	1,550		1,550	1,550 (1,290)							T	
(d)	300		60	360								CE	NR	P County funding	
	50		10	60										R may be involved.	
	1,650		330	1,980										C	
	2,000		400	2,400		2,400	2,400 (2,000)							T	
(e)	15	5		20								EIS	R	P	
	305	75		380										C	
	320	80		400		400	400 (320)							T	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SANTA CLARA COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) West Valley Transportation Corridor Preparation of EIR	CALTRANS																	X		
(b) San Felipe Road Bridge At Yerba Buena Creek: bridge replacement	City of San Jose																		X	
(c) White Road Between Ocala and Story Road: widening from four to six lanes.	City of San Jose																		X	
(d) White Road @ Ocala Avenue Intersection improvements and signal upgrading.	City of San Jose	X													X					
(e) Maybury Road Bridge @ Coyote Creek Bridge replacement.	City of San Jose																		X	

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	165	35		200		200	200 (165)					EIR	NR	P & T	
(b)	120 110 630		30 20 130	150 130 760								NM	NR	P R C T	
	860		180	1,040		1,040	1,040 (860)								
(c)	260 670 830		50 130 170	310 800 1,000								EIS	NR	P R C T	County funding may be involved.
	1,760		350	2,110		2,110	2,110 (1,760)								
(d)	80 250 340		20 50 100	100 300 440								NM	NR	P R C T	
	670		170	840		840	840 (670)								
(e)	130 290 1,080		90 60 220	220 350 1,300								NM	NR	P R C T	
	1,500		370	1,870		1,870	1,870 (1,500)								

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SANTA CLARA COUNTY (continued) (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Monterey Road Between Curtner Avenue and Blossom Hill Road: widening to a six lane facility with signalization and channelization.	City of San Jose																		X	
(b) Comprehensive Signal Project VI Signalization of various intersections in City of San Jose.	City of San Jose	X													X					
(c) Comprehensive Signal Project VII Signalization of various intersections in City of San Jose.	City of San Jose	X													X					
(d) Comprehensive Signal Project VIII Signalization of various intersections in the City of San Jose.	City of San Jose	X													X					
(e) Comprehensive Signal Project IX Signalization of various intersections in the City of San Jose.	City of San Jose	X													X					
TOTAL FEDERAL AID URBAN - SANTA CLARA COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	400 260 2,000		80 60 400	480 320 2,400								NM	NR	P R C T	
	2,660		540	3,200		3,200		3,200 (2,660)							
(b)	200 50 910		40 10 190	240 60 1,100								CE	NR	P R C T	
	1,160		240	1,400		1,400		1,400 (1,160)							
(c)	200 50 910		40 10 190	240 60 1,100								CE	NR	P R C T	
	1,160		240	1,400		1,400			1,400 (1,160)						
(d)	230 100 1,160		50 20 240	280 120 1,400								CE	NR	P R C T	
	1,490		310	1,800		1,800				1,800 (1,490)					
(e)	120 50 660		20 10 140	140 60 800								CE	NR	P R C T	
	830		170	1,000		1,000					1,000 (830)				
	41,775	2,990	9,035	53,800		53,800	29,965 (22,625)	9,290 (7,085)	5,205 (4,305)	4,550 (3,775)	4,790 (3,985)				

) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID SECONDARY - SANTA CLARA COUNTY District 04		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Santa Teresa Between Manelli Drive and Day Road, near Gilroy: reconstruct to standards.	Santa Clara County	X																		X
(b) Cochran Road Bridge Replacement of bridge and approach road (reconstruction)	Santa Clara County	X															X			X
TOTAL FEDERAL AID SECONDARY - SANTA CLARA COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				600		600	600								
(b)				100		100	100							P	
				700		700	700								

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID SAFER OFF SYSTEM - SANTA CLARA COUNTY District 04		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Various Locations Guard rail replacement	Santa Clara County																			X
TOTAL SAFER OFF SYSTEM - SANTA CLARA COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				70		70	70								
				70		70	70								

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - SOLANO COUNTY (District 10)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 80 PM 1.0/10.2 263320 HA22 0.2 miles west of Route 29 separation to 0.5 miles east of Lynch Ranch Road (portions): place in blanket and 3/4 inch open graded.	CALTRANS																			
(b) Rte. 80 PM 6.5/6.7 26700G HB33 Arkansas Street to Fleming Avenue, in Vallejo: noise barriers, left side of freeway.	CALTRANS																			
(c) Rte. 80 PM 6.5/6.7 26700G HB33 At Hunter Hill Roadside Rest (Stage II): expand parking and other facilities.	CALTRANS																			
(d) Rte. 80 PM 25.3 260101 HB1 Vacaville at Route 80 and Alamo Drive: widen eastbound ramps and modify Alamo Avenue. "TSM" Project, Total esc. cost=$56	CALTRANS																			
(e) Rte. 80 PM 28.3/32.8 26331G HA22 Junction Route 505 to Sweeny Creek: eastbound lanes only; AC overlay to restore pavement x-slope.	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				325	8	349	349							C	
(b)				339	8	364	364							C	
(c)				531	8	617		617						C	
(d)				27	8	29	29							C	
(e)				506	8	544	544							C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - SOLANO COUNTY (continued) (District 10) PROJECT DESCRIPTION		LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES — TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE — RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS — IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	TRANSIT MANAGEMENT — PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT — MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 80 PM 35.0 26710G Dixon safety roadside rest: construct dual roadside rest areas.	HB33	CALTRANS																			
(b) Rte. 780 PM 0.7/4.3 266901 In Benicia, junction Route 680/780 to 0.7 miles south of Columbus Parkway: place 0.20 feet AC overlay.	HA22	CALTRANS																			
(c) Rte. 780 PM 2.0 949150 Robert Semple School near Benicia: traffic noise attenuation needs.	HB312	CALTRANS																			
(d) Rte. 920 PM 2.0 A22038 Luminaire bases, sodium lamps; lump sum/minor program	HA22	CALTRANS																			
(e) Rte. 920 PM 6.0 A25008 Highway planting restoration: lump sum/minor program.	HA25	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				309	6	400				200	200			R	
				2,756	8	4,053					4,053			C	
				3,065		4,453				200	4,253			T	
(b)				235	8	253	253							C	
(c)				53	8	57	57							C	
(d)				256		256	64	64	64	28	36			C	
(e)						115	1	93	21					C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID INTERSTATE - SOLANO COUNTY (continued) (District 10) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	TRANSIT MANAGEMENT: PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 920 PM 8.0 A26008 HA26 Safety roadside rest restoration; lump sum/minor program.	CALTRANS																				
(b) Rte. 920 PM 12.0 A40018 HA4 Protective betterments; lump sum/minor program.	CALTRANS																				
(c) Rte. 920 PM 12.0 A40248 HA4 Edge drains, lateral support, restrainers; lump sum/minor program.	CALTRANS																				
(d) Rte. 920 PM 12.0 A40148 HA4 Edge drains, lateral support, restrainers; lump sum/minor program.	CALTRANS																				
(e) Rte. 930 PM 0.0 B10018 HB1 Safety improvements: lump sum/minor program.	CALTRANS																				
TOTAL FEDERAL AID INTERSTATE - SOLANO COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)						18	1	1	16					C	
(b)				163		163		163						C	
(b)				130		130		130						C	
(d)				1,541		1,541			1,040	1	500			C	
(e)				984		984	90	206	208	212	268			C	
				8,155		9,873	1,752	1,274	1,349	441	5,057				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SOLANO COUNTY District 10			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 12 PM 2.8 250201 Fairfield - at the 12/80 Interchange: realignment of Route 12, Rockville Road. ("TSM" Project)	HB44 F	CALTRANS																				
(b) Rte. 12 PM 3.9/4.7 26443G Various locations on Routes San Joaquin, Solano 12 and Solano 29: resurfacing.	HA3 F	CALTRANS																				
(c) Rte. 12 PM 13.6/15.4 240901 Lambie Road to 0.7 miles east of Denverton Overhead (Bridge No. 23-20): new bridge on new alignment.	HA21 BR	CALTRANS																				
(d) Rte. 37 PM 7.5/4.2 028244 Napa River to Junction of Route 80: Federal Advance Acquisition Fund Payback.	HE14 STA	CALTRANS																				
(e) Rte. 84 PM 0.2/13.2 26431G Various locations - Sac-84, SJ-12, Sol-84 and 113: resurfacing.	HA3 RS	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				151	8	162	162							C Total esc cost =$162.	
(b)				103	8	120		120						C	
(c)				50	6	60		18	42					R	
				1,618	8	2,187				2,187				C	
				1,668		2,247		18	42	2,187				T	
(d)				1,132		1,132				1,132				C	
(e)				48	8	52	52							C (Solano Cost only; Total est. cost= $220)	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SOLANO COUNTY District 10 (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 141 PM 0.0 241401 HB1 HHS In Vallejo @ Lemon Street, install traffic signals. ("TSM" Project)	CALTRANS																			
(b) Rte. 141 PM R0.2/R1.5 058321 HE14 M 0.2 miles West of Route 80 to Route 29 (FAU): four lane city street.	CALTRANS																			
(c) Rte. 141 PM 2.4/3.2 058341 HE14 STA Florida Street to Farragut Avenue in Vallejo: four lane conventional highway.	CALTRANS																			
(d) Rte. 910 PM 0.0 A12008 HA1 STA Maintenance of Lands and Buildings - lump sum/minor program.	CALTRANS																			
(e) Rte. 920 PM 0.0 A21008 HA21 Bridge Reconstruction - lump sum/minor program	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				28	8	30	30							C Total esc. cost =$60	
(b)				74	6	85		55	30					R Total esc. cost =$3,360.	
				451	8	571			571					C EIS by City of Vallejo.	
				525		656		55	601					T	
(c)				264	6	311		74	237					R	
				1,232	8	1,665				1,665				C	
				1,496		1,976		74	237	1,665				T	
(d)				141		141	5	28	30	43	35			C	
(e)				115		115	2	2	2	2	107			C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SOLANO COUNTY District 10 (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 920 PM 2.0 A22008 HA22 Roadway Reconstruction - lump sum/minor program	CALTRANS																				
(b) Rte. 920 PM 10.0 A30008 HA3 Resurfacing - lump sum/minor program.	CALTRANS																				
(c) Rte. 920 PM 12.0 A40048 HA4 Edge Drains, Lateral Support, Restrainers - lump sum/minor program	CALTRANS																				
(d) Rte. 920 PM 12.0 A40008 HA4 Protective Betterments - lump sum/minor program	CALTRANS																				
(e) Rte. 930 PM 0.0 B10008 HB1 Safety Improvements - lump sum/minor program.	CALTRANS																				
(f) Rte. 128 PM 0.0 NA1160 HA3 Route 128 in Solano & Yolo Counties: Napa/ Solano County Line to 0.1 mile east of Route 505: thin blanket	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				365		365		215	50	50	50			C	
(b)				235		235	2	2	2	2	227			C	
(c)				241		241	156	2	2	81				C	
(d)				39		39	2	14	23					C	
(e)				11		11	2	2	3	3	1			R	
				201		201	72	1	48	50	30			C	
				212		212	74	3	51	53	31			T	
(f)				22	8	30				30				C Solano County cost only. Total est. esc. cost = $362.	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SOLANO COUNTY District 10 (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 930 PM 10.0 B34008 HB34 Vista Points and Roadside Enhancements - lump sum/minor program.	CALTRANS																			
(b) Rte. 930 PM 12.0 B43008 HB43 Freeway Traffic Service Projects - lump sum/minor program	CALTRANS																			
(c) Rte. 930 PM 14.0 B44006 HB44 Conventional Highway/Expressway Operational Improvement - lump sum/minor program	CALTRANS																			
(d) Rte. 940 PM 0.0 E11018 HE14 Right-of-Way for Projects in After Period - lump sum/minor program.	CALTRANS																			
(e) Rte. 128 PM 0.0 NA1252 HE3 In Solano and Yolo Counties from Napa/Solano County Line to County Route 86: widen for bicycle lanes.	CALTRANS			X																

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				229		229	98	54	24	26	27			C	
(b)				293		293	9	67	83	67	67			C	
(c)				33		33	1	13	6	6	7			R	
				714		714	148	133	167	133	133			C	
				747		747	149	146	173	139	140			T	
(d)				136		136					136			R	
(e)				5	8	6		6						C Solano Cost only; total est. cost = $25.	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SOLANO COUNTY District 10 (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Route 37 HE13 Between Sage Street and Solano County fairgrounds to Napa River Bridge in Vallejo: upgrade two lane roadway to four lane expressway.	CALTRANS	X																	X	
TOTAL NON-INTERSTATE PROJECTS - SOLANO COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				2,000	8	2,500			2,500					C	
				9,795		11,664	741	806	3,820	5,477	820				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SOLANO COUNTY (District 10)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
Solano County Portion of San Francisco - Oakland Urbanized Area (Vallejo - Benicia)																					
(a) Route 141 Construct Interstate 789 Extension from Lemon Street to Route 29 to Sonoma Boulevard. (4-lane roadway).	Vallejo/ CALTRANS																			X	
(b) Route 141 Construct Route 141 from Farragut Street to Route 37 (4-lane roadway).	City of Vallejo																			X	
(c) "B" Street and East Second Street Provide new streets to serve the proposed Benicia Marina area. Project length: 0.4 mile	City of Benicia																			X	
(d) "E" Street Provide new street to connect East Fifth Street to the Central Business District. Project length: 0.5 mile	City of Benicia																			X	

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	72	15		87	8							EIR	NR	P	
	85	17		102										R	
	2,378	487		2,865										C	
	2,535	519		3,054		3,529		2,140 (1,777)	1,389 (955)					T	
(b)			78	78	8									P	
			768	768										P	
	716		58	774										C	
	716		904	1,620		2,182					2,182 (902)			T	
(c)			50	50	10							ND	NR	P	
	341		509	850										C	
	341		559	900		963	963 (341)							T	
(d)			50	50	10							ND	NR	P	
	200		350	550										C	
	200		400	600		642	642 (200)							T	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SOLANO COUNTY (continued) (District 10) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
Fairfield - Suisun Urban Area																				
(a) North Texas Street - Air Base Parkway Grade separation: This project will eliminate the existing at-grade intersection.	City of Fairfield																		X	
(b) Air Base Parkway - Interstate 80 Interchange Modification of existing interchange by changing 2-lane overpass to 6 lanes adding on- and off-ramps	City of Fairfield																		X	
(c) Main Street Reconstruct (1) Main Street in Suisun City between Main Street and Cordelia Road, and (2) Cordelia Road between Main and School Streets.	City of Suisun																	X		
(d) Sunset Avenue Reconstruct Sunset Avenue between the Suisun city limits and the Southern Pacific Railroad crossing.	Solano County																	X		

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	450		50	500		500	500 (450)					ND	R	Project is underway but additional FAU funding is requested due to high bids received. Funds will be used for construction work in FY 1978/79.	
(b)			220	220	10							EIR	NR	P	
	445		1,645	2,090										C	
	445		1,865	2,310		2,982	220	900 (325)	1,862 (419)					T	
(c)			35	35	10							ND	NR	P	
	114		32	146										C	
	114		67	181		199		199 (125)						T	
(d)	85		107	192		192	192 (85)					ND	R	C (Construction may take place in FY 1978-79)	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SOLANO COUNTY (continued) (District 10) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
Vacaville Urban Area (a) Reconstruct center 24 feet between Marshall Road and Jepson Road and bridge at Alamo Creek	City of Vacaville																X			
(b) Farrell Road Bridge Reconstruct existing bridge at Ulatis Creek and widen from two lanes to four lanes.	City of Vacaville																X			
(c) Signalization of Six Intersections Monte Vista Avenue - Orchard Avenue; Monte Vista Avenue - Vine Street; Orchard Avenue - Buck Avenue; Davis Street - Mason Street; Peabody Road - Beelard Dirve; and Davis Street - Alamo Drive.	City of Vacaville	X																		
(d) Elmira Road Widen Putah Canal Bridge.	City of Vacaville																			X
TOTAL FEDERAL AID URBAN - SOLANO COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	181		219	400		400	400 (181)					CE	NR	To be constructed in FY 1978/79	
(b)	108		34	142	8	165		165 (125)				CE	NR		
(c)	270		51	321	8	470			470 (393)			CE	NR		
(d)	35		17	52	8	70				70 (47)		CE	NR		
	5,480	519	4,273	10,272		12,294	2,917 (1,257)	3,404 (2,352)	3,721 (1,767)	70 (47)	2,182 (902)				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SONOMA COUNTY District 04 North			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 1 PM 16.7/31.8 HA3021 1.4 mile north of Scotty Creek to 1.5 mile south of Fort Ross Road: resurfacing.	HA3 STA	CALTRANS																				
(b) Rte. 1 PM 19.9/20.0 397861 Russian River Bridge (Jenner) #20-195: replace bridge.	HA21 BR	CALTRANS																				
(c) Rte. 1 PM 33.5/44.8 North Fort Ross Road to South Skaggs Springs: resurfacing.	HA3 STA	CALTRANS																				
(d) Rte. 12 PM R14.4/T17.6 380731 Stony Point Road to Farmers Lane (portions): highway planting.	HB32 STA	CALTRANS																				
(e) Rte. 101 PM 3.6/19.6 380351 South of Petaluma undercrossing to Rohnert Park overcrossing: highway planting.	HB32 F	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				483	8	710					710			C	
(b)				3,204	8	4,330				4,330				C	
(c)				344	8	370	370							C	
(d)				111	8	150				150				C	
(e)				662	8	770		770						C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SONOMA COUNTY
District 04 North
(continued)

PROJECT DESCRIPTION		LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING, MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 101 PM 13.5/14.3 380861 North of Rohnert Park Intersection to Route 12 (portion): highway planting.	HB32 F	CALTRANS																			
(b) Rte. 101 PM 15.0/15.3 207461 Wilfred Avenue Overhead: bike path	HE3 STA	CALTRANS			X																
(c) Rte. 101 PM 29.5/29.6 949176 Windsor Union High @ 8955 Conde: school noise attenuation - air conditioning.	HB312 STA	CALTRANS																			
(d) Rte. 101 PM 37.7/H43.8 428501 South Lytton Springs Road to Canyon Road: highway planting.	HB32 STA	CALTRANS																			
(e) Rte. 101 PM 42.9/43.0 949177 Geyersville Elm School: school noise attenuation - air conditioning.	HB312 STA	CALTRANS																			
(f) Rte. 101 PM 54.0/56.0 400761 At Russian River (Preston) Bridge #20-31 and Preston Overhead (Bridge #20-32); replace bridges and approaches.	HE14 BR	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				267	8	310		310						C	
(b)				129	8	150		150						C	
(c)				102	8	110	110							C	
(d)				55	8	70			70					C	
(e)				47	8	50	50							C	
(f)				1,382	8	1,640		1,325	315					R	
				8,516	8	10,780			10,780					C	
				9,898		12,420		1,325	11,095					T	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SONOMA COUNTY District 04 North (continued)			TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION		LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 116 PM 6.2/11.8 HA3015 West of Monte Rio Road to Fife Creek (portions): resurfacing.	HA3 STA	CALTRANS																			
(b) Rte. 116 PM 12.3/18.6 HA3019 0.2 mile west of Russian River to Green Valley Creek: resurfacing.	HA3 STA	CALTRANS																			
(c) Rte. 116 PM 27.1/27.6 390421 From Palm Avenue to the South city limit: roadway reconstruction.	HA22 F	CALTRANS																			
(d) Rte. 116 PM 36.4 381081 At Frates Road: widen for left turn lanes and taper	HB44 M	CALTRANS																			
(e) Rte. 128 PM 12.3/20.8 381911 Sausal Creek (20-40): bridge replacement and roadway.	HA21 BR	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				174	8	220			220					C	
(b)				185	8	250				250				C	
(c)				288	8	310	310							C Total cost =$300 City of Seb.=$25	
(d)				47	8	50	50							C	
(e)				211	8	310					310			C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SONOMA COUNTY District 04 North (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT												ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT							
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Rte. 910 PM 0.0 A12009 HA1 Maintenance of Lands and Buildings - lump sum/minor program.	CALTRANS																		
(b) Rte. 910 PM 2.0 A22009 HA22 Roadway reconstruction: lump sum/minor program.	CALTRANS																		
(c) Rte. 920 PM 0.0 A21009 HA21 Bridge reconstruction - lump sum/minor program.	CALTRANS																		
(d) Rte. 920 PM 10.0 A30009 HA3 Resurfacing - lump sum/minor program.	CALTRANS																		
(e) Rte. 920 PM 12.0 A40009 HA4 Protective Betterments - lump sum/minor program.	CALTRANS																		
(f) Rte. 930 PM 0.0 B10009 HB1 Safety Improvements - lump sum/minor program.	CALTRANS																		
(g) Rte. 930 PM 2.0 B31109 HB311 Community Noise Attenuation - lump sum/minor program	CALTRANS																		

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				157		157	29	29	30	32	37			C	
(b)				78		78	78							C	
(c)				468		475		117	117	120	121			C	
(d)				440		440		176	132	88	44			C	
(e)				149		149	103	14	10	11	11			C	
(f)				2,139		2,139	347	417	438	464	473			C	
(g)				482		482		115	115	125	127			C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

NON-INTERSTATE PROJECTS - SONOMA COUNTY District 04 North (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Rte. 930 PM 6.0 B32009 HB32 Highway Planting - lump sum/minor program.	CALTRANS																				
(b) Rte. 930 PM 12.0 B44009 HB44 Conventional Highway & Expressway Operation - lump sum/minor program	CALTRANS																				
(c) Rte. 930 PM 12.0 B43009 HB43 Freeway Traffic Service - lump sum/minor program	CALTRANS																				
(d) Rte. 940 PM 0.0 E11009 HE11 Roadway Construction Cleanup H & P - lump sum/minor program	CALTRANS																				
(e) Rte. 101 HE14 Route 101: construct four lane expressway bypassing the City of Cloverdale.	CALTRANS																				
TOTAL NON-INTERSTATE PROJECTS - SONOMA COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				50		50			29	21				C	
(b)				112		112	22	22	22	23	23			C	
(c)				125		125	24	25	25	25	26			C	
(d)				162		162	45	33	29	27	28			R	
(e)				20,000	8	25,000			25,000					C	
				40,569		49,949	1,538	3,503	37,332	5,666	1,910				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SONOMA COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
Petaluma Urban Area																					
(a) Right-of-Way Acquisition	City of Petaluma																				
1. East Washington Street - from Lakeville St. northerly to State Route 101 (freeway), 0.66 miles; widening existing two lane roadway to four lanes.		X																		X	
2. Liberty Street - from West Street to Magnolia Avenue, 0.22 miles; extension of existing two lane roadway.		X																			X
3. Magnolia Street - from Keokuk Street easterly to Petaluma Blvd. North, 0.26 miles; widening of substandard two-lane roadway to full two lanes.		X																			X
(b) Public Transportation Bus shelters and fringe parking.	GGBHTD									X											X

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a1)	811		167	978	10	1,076	1,076 (893)					EIS	R		
(a2)	246		50	296	6	313	57 (47)	153 (127)	103 (86)						
(a3)	116		24	140	10	163			66 (55)	98 (81)					
(b)	187		38	225	10	292				88 (73)	204 (169)				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SONOMA COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
Healdsburg Urban Area - Santa Rosa Urbanized Area																				
(a) West College Avenue Widen and reconstruct roadway from two lanes to four lanes. Installation of collection strom drainage, construction of traffic medians between Cleveland Avenue to Link Lane in West Santa Rosa.	City of Santa Rosa	X																	X	
(b) Rohnert Park Expressway Channelization and signalization at ramp intersection of Rohnert Park Expressway and State Route 101 (freeway).	CALTRANS	X																		X
(c) West Sierra Avenue Reconstruct existing two lane roadway to provide two full lanes with bicycle lanes and curb and gutter. State Route 101 (freeway) easterly to LaPlaza.	City of Cotati	X		X																X
(d) Healdsburg Avenue Upgrade traffic signals at intersections of Healdsburg Avenue with both Matheson Street and North Street and install new signals at intersections of Matheson Street and Center Street.	City of Healds-burg	X																		X

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	457		94	551	10	605	605 (502)					ND			
(b)	249		51	300	10	330	330 (274)					CE			
(c)	212		43	255	10	281	281 (233)								
(d)	58		12	70	10	77	77 (64)					CE			

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SONOMA COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
Healdsburg Urban Area - Santa Rosa Urbanized Area (continued)																				
(a) Highway 12 On-Ramp Widen on-ramp from one lane to two lanes west of "E" Street.	City of Santa Rosa	X																		X
(b) Highway 12 Left Turn Lane Widen left turn from one lane to two lanes at intersection with Farmers Lane.	City of Santa Rosa	X																		X
(c) Public Transportation Construct additional parking spaces at existing Piner Road bus facility.	GGBHTD										X									X
(d) Mendocino Avenue Interchange with State Route 101 (freeway) Modify Old Redwood Highway intersection northbound ramps and signalization.	CALTRANS	X																	X	
(e) Rohnert Park Expressway Widening from two lanes to four lanes from State Farm Drive easterly to Snyder Lane.	Sonoma County	X																		X

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	83		17	100	10	110	110 (91)								
(b)	83		17	100	10	110	110 (91)								
(c)	83		17	100	10	110	110 (91)								
(d)	770		158	928	10	1,121	186 (154)	748 (620)	188 (156)						
(e)	332		68	400	10	532			532 (442)						

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL AID URBAN - SONOMA COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
Healdsburg Urban Area - Santa Rosa Urbanized Area (continued)																				
(a) Public Transportation Bus shelters and fringe parking.	GGBHTD									X	X									X
(b) Santa Rosa Avenue Widen and reconstruct from two lanes to four lanes from Bellevue Avenue northerly to Yolanda Avenue.	Sonoma County	X																		X
(c) Healdsburg Avenue Widening from 0.35 miles north of Dry Creek Rd. northerly for one mile.	City of Healdsburg	X																		X
(d) West College Avenue Widen and reconstruct from two lanes to four lanes from Link Lane westerly to Stony Point Road.	City of Santa Rosa	X																	X	
TOTAL FEDERAL AID URBAN - SONOMA COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	167		34	201	10	284			102 (84)	182 (151)					
(b)	332		68	400	10	584				584 (485)					
(c)	166		34	200	10	308				135 (113)	172 (143)				
(d)	424		87	511	10	823					823 (683)				
	4,776		979	5,755		8,195	2,942 (2,440)	901 (747)	991 (823)	1,088 (903)	1,199 (999)				

( ) FEDERAL AMOUNT

HIGHWAY PROGRAM

• Priority Listing

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HA 1 - Lands, Buildings & Facilities Improvement
-Highway Program-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Contra Costa	17	6.2	032301 0044B Richmond-San Rafael Bridge: bridge air and water lines.	STA	539	8	1979-80	580 C
2.	Alameda	580	13.1	380931 0020F East of Portola Avenue Interchange in Livermore: relocate maintenance station.	STA	126 R 632 C 758 T	8	1979-80	140 R 680 C 820 T
				TOTAL HA 1 - LANDS, BUILDINGS & FACILITIES IMPROVEMENT -HIGHWAY PROGRAM-		1,297			1,400

*STA = State Only.

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HA 21 - Bridge Reconstruction
-Highway Program-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Contra Costa	17	6.4	033601 00441 Richmond-San Rafael Bridge: Rev. Traveler Rail Sys (Phase 1)	STA	529	8	1981-82	670 C
2.	Sonoma	128	12.3	381911 01438 Sausal Creek (#20-40): bridge replacement and roadway.	BR	210	8	1983-84	310 C
3.	Napa	128	5.2	410081 0081 East of Rutherford @ Napa River Bridge (Bridge No. 21-20): replace bridge.	BR	427 C 427 T	8	1979-80 1979-80	100 R 460 C 560 T
4.	Marin	1	44.3	380241 0066 At Walker Creek (Bridge No. 27-26): replace bridge.	BR	533	8	1980-81	620 C
5.	Marin	17	0.0L	034021 0044 At Richmond-San Rafael Bridge: install corrosion protection system. (Lower Pier Elements - Stage III)	STA	742	8	1981-82	940 C
6.	Marin	1	47.3	380251 0067 At Stemple Creek (Bridge No. 27-27): Replace timber bridge.	BR	418	8	1981-82	530 C
7.	Alameda	680	14.1R	399451 0034 At Arroyo De La Luguna Bridge #33-46: replace bridge.	BR	466	8	1981-82	590 C
8.	Contra Costa	17	6.2	032601 0044C Richmond-San Rafael Bridge: replace existing timber fenders. (Phase 1)	STA	540	8	1982-83	730 C
9.	Contra Costa	17	6.3	032611 0044G At Richmond-San Rafael Bridge: replace timber fenders, Phase II.	STA	540	8	1982-83	730 C
10.	Contra Costa	17	6.2	032701 0044D Richmond-San Rafael Bridge: expansion joint repairs - Phase 2	STA	639	8	1983-84	940 C
11.	Sonoma	1	19.9	397861 0137 Russian River Bridge (Jenner) #20-195: replace bridge	BR	3,204	8	1982-83	4,330 C
12.	Alameda	580	46.0	372901 0032 In Oakland at Route 17/80/580 Interchange: replace lighting.	IR	316	8	1979-80	340 C
				TOTAL HA 21 - BRIDGE REPLACEMENT -HIGHWAY PROGRAM-		8,564			11,290

* STA = State Only
BR = Special Bridge Replacement
IR = Interstate Rehabilitation

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HA 22 - Roadway Reconstruction & Restoration
-Highway Program-

MTC Priority Number	County	Rte	Post Miles		PROJECT DESCRIPTION	*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Alameda	80	5.6	380411 0017B	South of University Avenue to El Cerrito separation: slab replacement, 0.6 ft. AC overlay (portions)	IR	1,746	8	1982-83	2,360 C
2.	Alameda	80	7.2	382431 0017C	El Cerrito Separation to Central Avenue: slab replacement, 0.6 ft. AC overlay (portions) Ala. 7.2/8.0 CC 0.0/0.3	IR	1,285	8	1983-84	1,890 C
3.	Contra Costa	80	.3	380431 0047A	Central Avenue Bridge to Solano Avenue: slab replacement, 0.6 ft. AC overlay (portions)	IR	2,724	8	1979-80	2,930 C
4.	Contra Costa	80	7.2	380441 0047	South of Appian Way to North of Willow Avenue: slab replacement, 0.6 ft. AC overlay (portions)	IR	2,717	8	1981-82	3,440 C
5.	Contra Costa	680	23.0	380381 0066A	North of Arthur Road Undercrossing to South Mococo: level roadway and AC blanket	IR	1,006	8	1980-81	1,170 C
6.	Solano	80	1.0	26332G 0017M	0.2 miles west of Route 29 Separation to 0.5 miles east of Lynch Ranch Road (portions): place 1 inch blanket and 3/4 inch open graded.	IR	324	8.	1979-80	349 C
7.	Solano	80	28.3	26331G 0017H	Junction Route 505 to Sweeny Creek, Eastbound lanes only, AC overlay to restore pavement X-slope.	IR	505	8	1979-80	544 C
8.	Sonoma	116	27.1	390421 0142A	From Palm Avenue to the South City Limit: roadway reconstruction (Total cost $300, City of Sebastopol $25)	F	288	8	1979-80	310 C
9.	Solano	780	0.7	266901 0017N	In Benicia, Junction Route 680/780 to 0.7 miles south of Columbus Parkway: place 0.20 feet AC overlay.	IR	235	8	1979-80	253 C
10.	San Mateo	84	8.5	403451 0093	La Honda Creek Bridge to Route 35: roadway reconstruction - widen to 28 ft.	RS	598	8	1983-84	880 C
11.	San Mateo	101	16.6	380291	Broadway overcrossing in Burlingame to San Francisco Airport Overcrossing near Millbrae: roadway reconstruction.	F	1,985	8	1982-83	2,580 C
					TOTAL HA 22 - ROADWAY RECONSTRUCTION & RESTORATION -HIGHWAY PROGRAM-		13,413			16,706

*IR = Interstate Rehabilitation
F = Consolidated Primary
RS = Rural Secondary (FAS)

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HA 25 - Highway Planting Restoration
-Highway Program-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION		* Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	San Francisco	101	2.9	380471 0086	Army Street to Mariposa: upgrade irrigation and planting.	F	251	8	1979-80	270 C
2.	San Mateo	101	21.9	380481 0096H	South San Francisco Overhead to 0.3 miles north of Sierra Point Overhead: plant restoration.	F	269	8	1979-80	290 C
3.	Napa	29	10.6	380511 0078B	Jefferson Street to Solano Avenue: plant restoration.	F	260	8	1981-82	330 C
4.	Santa Clara	17	13.7R	380531 0103A	In San Jose from South of Moorpark Avenue Undercrossing to Route 101: plant restoration.	F	214	8	1982-83	290 C
5.	San Mateo	280	25.2R	380501 0096L	Route 1 to San Francisco County Line: plant restoration.	I	206	8	1980-81	240 C
6.	Alameda	13	7.5	380551 0001C	La Salle Avenue to Moraga Avenue: plant restoration.	STA	213	8	1981-82	270 C
7.	Contra Costa	680	14.4	380561 0063C	Route 24/680 Interchange: upgrade manual irrigation.	I	244	8	1983-84	360 C
8.	Alameda	80	7.0	380540 0018B	At Route 80/17 Interchange: plant restoration.	I	214	8	1982-83	290 C
				TOTAL HA 25 - HIGHWAY PLANTING RESTORATION -HIGHWAY PROGRAM-			1,871			2,340

* F = Consolidated Primary
I = Interstate
STA = State Only

April 1, 1979
MTC Regional Program Priority Listing

Program: HA 3 - Resurfacing
-Highway Program-

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	* Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Alameda	680	15.9R	HA3003 0034C North Pleasanton Overhead Crossing to South 680/580 Separation: resurfacing.	STA	279	8	1979-80	300 C
2.	Napa	29	13.0	HA3005 0076A From Trancas Road to Tubbs Lane: resurfacing.	STA	232	8	1979-80	250 C
3.	San Francisco	1	0.0	402711 0082 San Mateo County Line to Lincoln Way: resurfacing. (Total escalated cost $365 (FAU) 7/8 Delay)	M	74	8	1979-80	80 C
4.	Sacramento San Joaquin Solano	84 12 84	2.5 18.1 0.2	26431G 0014A Various locations: resurfacing. (Solano Cost Only; total est. esc. cost=$220)	F	48	8	1979-80	52 C
5.	San Mateo	1	0.6	HA3006 0090D North Santa Cruz County Line to South San Pedro Ave: resurfacing.	STA	604	8	1979-80	650 C
6.	Sonoma	1	33.5	HA3002 0137D North Fort Ross Road to South Skaggs Springs: resurfacing.	STA	344	8	1979-80	370 C
7.	Alameda	92	6.4	HA3007 0019E Route 17 to Route 238: resurfacing.	STA	172	8	1980-81	200 C
8.	San Mateo	82	9.5	HA3008 0090E Hillsdale Avenue Overcrossing to Third Avenue: (portions) resurfacing.	STA	180	8	1980-81	210 C
9.	Marin	101	10.3	HA3009 0072A Irwin Street to Miller Creek Road: resurfacing.	STA	498	8	1980-81	580 C
10.	Solano Yolo	128 128	0.0 0.0	NA1160 0105F NAPA/Solano County to 0.1 mile east of Route 505: thin blanket (Solano County cost only; total est. esc. cost = $362.)	F	22	8	1982-83	30 C
11.	Santa Clara	152	30.7	HA3010 0117D South Fork Pacheco Creek to 0.4 mile west of Merced County Line: resurfacing.	STA	283	8	1980-81	330 C
12.	Napa	29	29.3	HA3011 0079C York Creek to Northwest Junction of Route 128: resurfacing.	STA	252	8	1981-82	320 C
13.	Alameda	84	4.0	HA3013 0017E Jarvis Road to Arroyo Mocho (portions): resurfacing.	STA	197	8	1981-82	250 C
14.	Sonoma	116	6.2	HA3015 0141F West of Monte Rio Road to Fife Creek (portions): resurfacing.	STA	173	8	1981-82	220 C

(continued on next page)

* STA = State Only
M = Urban System
F = Consolidated Primary

TRANSPORTATION IMPROVEMENT PROGRAM

April 1, 1979
MTC Regional Program Priority Listing

Program: HA 3 - Resurfacing
-Highway Program-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION		*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
15.	San Francisco	35	1.8	HA3014 0080A	Sloat Boulevard to Junction Route 1 (19th Avenue): resurfacing.	STA	189	8	1981-82	240 C
16.	San Mateo	92	0.0	HA3016 0093F	Route 1 to Route 35: resurfacing.	STA	185	8	1982-83	250 C
17.	San Joaquin Solano Solano	12 12 29	0.1 3.9 0.0	26443G 0015E	Various locations on Routes SJ 12, Sol 12 & Sol 29: resurfacing.	F	179	8	1980-81	209 C
18.	Marin	1	21.2	HA3017 0066E	1.6 miles south of Olema Creek to LaGunitas Creek: resurfacing.	STA	229	8	1982-83	310 C
19.	San Mateo	92	9.4R	HA3018 0094F	West Hillsdale Undercrossing to Route 101: resurfacing.	STA	189	8	1981-82	240 C
20.	Sonoma	116	12.3	HA3019 0142G	0.2 miles west of Russian River to Green Valley Green Valley Creek: resurfacing.	STA	185	8	1982-83	250 C
21.	San Mateo	82	11.7	HA3020 0090F	Third Avenue to North of Broadway (portions): resurfacing.	STA	303	8	1982-83	410 C
22.	Sonoma	1	16.7	HA3021 0135B	1.4 miles north of Scotty Creek to 1.5 miles south of Fort Ross Road: resurfacing.	STA	482	8	1983-84	710 C
23.	San Mateo	84	0.0	HA3022 0093E	Route 1 to La Honda Creek Bridge (35-168): resurfacing.	STA	238	8	1983-84	350 C
24.	Marin	1	45.3	HA3023 0066F	Petaluma Road to Sonoma County Line: resurfacing.	STA	163	8	1983-84	240 C
25.	Marin	101	8.7	HA3024 0072B	Sir Francis Drake Boulevard to South of Irwin Street connector: resurfacing.	STA	183	8	1983-84	270 C
				TOTAL HA 3 - RESURFACING -HIGHWAY PROGRAM-			5,883			7,321

*STA = State Only
F = Consolidate Primary

April 1, 1979
MTC Regional Program Priority Listing

Program: HA 4 - Protective Betterments
-Highway Program-

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Priority Number	County	Rte	Post Miles		PROJECT DESCRIPTION	*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Alameda Alameda Alameda	980 580 24	1.8R 45.1 1.9R	398921 0034A	In Oakland at Route 980/580/24 separation: earthquake restrainers (7/8 delay)	I	809	8	1979-80	870 C
2.	San Francisco	280	6.6R	398961 0088	China Basin Unit 1 Bridge No. 34-100: earthquake restrainers (4F)	I	353	8	1979-80	380 C
3.	Alameda	17	27.6	398981 0014	High Street Overhead Bridge No. 33-40 L/R: install earthquake restrainers (4H)	F	604	8	1979-80	650 C
4.	Marin	17	0.0L	034001 0044E	At the Richmond-San Rafael Bridge - Stage I: install corrosion protection system.	STA	808	8	1980-81	940 C
5.	Alameda	680	1.0	207721 0030	North Santa Clara County Line and North Route 238 to Route 84: restore lateral support.	I	390	8	1979-80	420 C
6.	Alameda	24	1.1	402641 0014B	Various locations on Route 17, 24 & 580: earthquake restrainers (4W)	F	204	8	1979-80	220 C
7.	Alameda	580	1.8	207931 0030A	West of Grant Line Road to West of Greenville Road: restore lateral support.	I	223	8	1980-81	260 C
8.	San Francisco	480	4.5	402661 0091A	Various locations on Routes 1, 101, 280, 480: earthquake restrainers (4Y)	F	204	8	1979-80	220 C
9.	San Mateo	101	16.6	402671 0096G	Various locations on Route 101 in San Francisco and San Mateo: earthquake restrainers (4Z)	F	120	8	1980-81	140 C
10.	Contra Costa	17	6.2L	034011 0044F	Richmond-San Rafael Bridge: Stage II - Install corrosion protection system.	STA	795	8	1983-84	1,170 C
11.	Alameda	80	5.8	402631 0018A	13/80 Separation, University Avenue Overcrossing, Adeline Street Undercrossing: earthquake restrainers (4V)	I	213	8	1981-82	270 C
12.	Alameda	680	8.4R	412951 0033D	Sheridan Road to Andrade Road: truck scale and inspection facilities.	I	1,724	8	1982-83	2,330
13.	Alameda	17	3.3R	395771 0002C	Fremont Boulevard to Durham Road: truck scale (Northbound and Southbound)	F	242 R 2,338 C 2,580	8	1979-80 1982-83	242 R 3,160 C 3,402 T
14.	San Mateo	101	21.9	400591	Vicinity of California Pedestrian Overcrossing: drainage improvements.	F	303		1979-80	303 C
					TOTAL HA 4 - PROTECTIVE BETTERMENTS -HIGHWAY PROGRAM-		9,330			11,575

*I = Interstate
F = Consolidated Primary
STA = State Only

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HB 1 - Safety Improvements
-Highway Program-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Solano	80	25.3	260101 0017G Vacaville at Route 80 and Alamo Drive; widen eastbound ramps and modify Alamo Avenue. ("TSM" project, Total Escalated cost=$56)	I	26	8	1979-80	29 C
2.	Solano	141	0.0	241401 0017L In Vallejo at Lemon Street: install traffic signals ("TSM" Project, Total escalated cost =$60)	HHS	27	8	1979-80	30 C
3.	Santa Clara	237	0.8R	142131 0118 South of Southern Pacific Rail Road to South of Route 101: widening - RR Grade Separation. (Total escalated cost $1,830)	RRP	213	8	1979-80	230 C
4.	Contra Costa	17	6.1	035901 0045 At the Richmond-San Rafael Bridge: install crash cushions. ("TSM" Project)	F	103	8	1980-81	120 C
5.	Contra Costa	4	31.3	381671 00428 Near Antioch at Bridgehead-Neroly: install traffic signals.	F	27	8	1979-80	30 C
6.	Santa Clara	101	0.0	228301 0108 Pajaro River Bridge near San Benito County Line: widen northbound shoulder.	F	199	8	1982-83	270 C
				TOTAL HB 1 - SAFETY IMPROVEMENTS -HIGHWAY PROGRAM-		595			709

* I Interstate
HHS = High Hazard Safety/Roadside Obstacles
RRP = Railroad Grade Crossing Protection/Railway Highway Crossing.
F = Consolidated Primary

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HB 311 - Community Nosie Attenuation
-Highway Program-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Santa Clara	17	14.6R	400741 0103B At various locations, Routes 280 to 82: highway sound wall.	F	1,088	8	1979-80	1,170 C
2.	Contra Costa	80	3.4	410131 0050 North Solano Avenue and South San Pablo Dam Road: highway sound wall.	I	158	8	1979-80	170 C
3.	Contra Costa	680	13.4	410141 0063F Lilac Drive in Walnut Creek to North of Center St.: highway sound wall.	I	139	8	1979-80	150 C
4.	Solano	80	3.6	247621 0017B Arkansas Street to Fleming Avenue in Vallejo: noise barriers, left side of freeway.	I	338	8	1979-80	364 C
				TOTAL HB 311 - COMMUNITY NOISE ATTENUATION -HIGHWAY PROGRAM-		1,723			1,854

* F = Consolidated Primary
I = Interstate

April 1, 1979
MTC Regional Program Priority Listing

Program: HB 312 - School Noise Attenuation
-Highway Program-

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	* Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	San Francisco	101	5.4	949228 0085C St. Paulus Lutheran, 888 Turk Street: school noise attenuation/air conditioning.	STA	232	8	1979-80	250 C
2.	Alameda	17	33.1	949107 0045E At Cole School South of 14th Street: school noise attenuation/air conditioning.	STA	223	8	1979-80	240 C
3.	Alameda	24	3.5R	949115 0016A At Claremont Junior High near College Undercrossing: school noise attenuation/air conditioning. (7/8 delay)	STA	353	8	1979-80	380 C
4.	San Francisco	280	4.7R	949109 0087A Pelton Junior High: school noise attenuation. (7/8 delay)	I	623	8	1979-80	670 C
5.	Alameda	17	11.4	949201 0003B Alviso School near Fremont Boulevard: school noise attenuation.	STA	83	8	1979-80	90 C
6.	Sonoma	101	42.9	949177 0142 Geyersville Elementary School: school noise attenuation/air conditioning.	STA	46	8	1979-80	50 C
7.	Sonoma	101	29.5	949176 0141C Windsor Union High at 8955 Conde: school noise attenuation/air conditioning.	STA	102	8	1979-80	110 C
8.	Contra Costa	680	7.4R	949122 0061B At Charlotte Wood School-Diablo Interchange: school noise attenuation/air conditioning. (7/8 delay)	I	232	8	1979-80	250 C
9.	Solano	780	2.0	949150 0017P Robert Semple School near Benicia: traffic noise attenuation needs.	I	53	8	1979-80	57 C
				TOTAL HB 312 - SCHOOL NOISE ATTENUATION -HIGHWAY PROGRAM-		1,947			2,097

* STA = State Only
I = Interstate

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HB 32 - Highway Planting - -Highway Program-

MTC Priority Number	County	Rte	Post Miles		PROJECT DESCRIPTION	* Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Santa Clara	17	8.8	380311 0103	Lark Avenue Overcrossing to Hamilton Avenue Overcrossing: highway planting.	F	641	8	1979-80	690 C
2.	Contra Costa	680	4.3R	380051 0061A	North Crow Canyon Road to South Sycamore Valley Rd.: highway planting.	I	325	8	1979-80	350 C
3.	Contra Costa	80	4.3	380031 0056A	San Pablo Dam Road to Pinole Valley Road: highway planting.	I	636	8	1980-81	740 C
4.	Alameda	17	24.9	380921 0004C	North 98th Avenue to North Hegenberger Road Overcrossing: highway planting.	F	344	8	1979-80	370 C
5.	Marin	101	14.7	380751 0074E	South Lucas Valley Road to Ignacio Boulevard: highway planting.	F	217	8	1983-84	320 C
6.	Alameda	17	7.1	380071 0001H	North Steven Boulevard to North Paseo Padre Parkway: highway planting.	F	367	8	1983-84	540 C
7.	Sonoma	101	3.6	380351 0139A	South of Petaluma Undercrossing to Rohnert Park Overcrossing: highway planting.	F	662	8	1980-81	770 C
8.	Sonoma	101	13.5	380861 0139C	North of Rohnert Park Interchange to Route 12 (portion): highway planting.	F	266	8	1980-81	310 C
9.	Marin	17	1.7	380691 0068	Bellam Boulevard and Route 17/101 Interchange: highway planting.	F	318	8	1982-83	430 C
10.	Contra Costa	4	18.8	380181 0040	Willow Pass Road to Somersville Road Undercrossing: highway planting.	F	260	8	1981-82	330 C
11.	Sonoma	101	37.7	428501 0141D	South Lytton Springs Road to Canyon Road: highway planting.	STA	55	8	1981-82	70 C
12.	San Mateo	101	3.5	380651 0096B	In Menlo Park at the Marsh Road Overcrossing: highway planting.	F	260	8	1981-82	330 C
13.	San Mateo	380	6.2	380761 0097A	7th Avenue to South Airport Boulevard: Stage II - highway planting.	I	545	8	1981-82	690 C

(continued on next page)

* F = Consolidated Primary
I = Interstate
STA = State Only

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HB 32 - Highway Planting
-Highway Program-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
14.	Alameda	17	13.2	380671 0001G North Alva-Niles Road to North Indr Parkway Overcrossing: highway planting.	F	213	8	1981-82	270 C
15.	Santa Clara	17	19.0R	380661 0103C South Brokaw Road to South Trimble Road: highway planting.	STA	110	8	1981-82	140 C
16.	Santa Clara	101	41.0	380641 0113D West of De La Cruz Boulevard to Agnew Road: highway planting.	F	215	8	1980-81	250 C
17.	Marin	101	20.5R	432721 0074A Novato Creek to North Atherton Avenue Overcrossing: highway planting.	F	530	8	1983-84	780 C
18.	San Mateo	101	6.4	380681 0096D At the Whipple Avenue Interchange: highway planting.	F	213	8	1981-82	270 C
19.	San Mateo	101	8.4	417420 0096F Near Belmont at Holly Street Overcrossing: highway planting.	F	260	8	1981-82	330 C
20.	Alameda	17	0.0R	380061 0002B North Route 237/17 Interchange to Stevenson Blvd: highway planting.	STA	103	8	1982-83	140 C
21.	Santa Clara	101	50.4	381351 0116A San Antonio Road to Oregon Avenue: highway planting	STA	59 C	8	1982-83	80 C
22.	Alameda	580	9.7	343801 0021C Vasco Road to Route 680 (portions): highway planting.	I	214	8	1982-83	290 C
23.	Contra Costa	680	1.1R	380041 0061C Pine Valley to Bollinger Canyon Overcrossing: highway planting.	I	162	8	1982-83	220 C
24.	Napa	29	13.0	380721 0076 Trancas Street to Cal Drive Undercrossing (portions) highway planting.	STA	111	8	1982-83	150 C
25.	Sonoma	12	14.4R	380731 0138 Stony Point Road to Farmers Lane (portions): highway planting.	STA	111	8	1982-83	150 C
26.	Santa Clara	101	39.2	380741 0113A South/North First Street to North Del La Cruz Blvd: highway planting.	F	251	8	1982-83	340 C
27.	Santa Clara	101	42.5	380711 0114A Bowers Avenue Interchange - Stage I: highway planting.	F	266	8	1982-83	360 C
				TOTAL HA 32 - HIGHWAY PLANTING -HIGHWAY PROGRAM-		7,714			9,710

* F = Consolidated Primary
STA = State Only
I = Interstate

April 1, 1979
MTC Regional Program Priority Listing

Program: HB 33 - Safety Roadside Rest Area
-Highway Program-

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	* Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Solano	80	6.5	26700G 0017E At Hunter Hill Roadside Rest: Stage II expand parking and other facilities.	I	530	8	1980-81	617 C
2.	Alameda	580	16.0	381860 0022A East of Route 580/680 Interchange near Livermore: safety roadside rest area.	I	1,387	8	1983-84	2,040 C
3.	Solano	80	35.0	26710G 0017F Dixon safety roadside rest: construct dual roadside rest areas.	I	309 R 2,756 C 3,065 T	8	1982-83 1983-84	400 R 4,053 C 4,453 T
				TOTAL HB 33 - SAFETY ROADSIDE REST AREA -HIGHWAY PROGRAM-		4,982			7,110

* I = Interstate

TRANSPORTATION IMPROVEMENT PROGRAM

April 1, 1979
MTC Regional Program Priority Listing

Program: HB 42 - Freeway Congestion Relief Project
-Highway Program-

MTC Priority Number	County	Rte	Post Miles		PROJECT DESCRIPTION	* Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Santa Clara	101	38.3	396171 0113	Junction Route 17 to Moffett Boulevard: auxiliary lane ramp metering (southbound) portion	F	1,737	8	1980-81	2,020 C
2.	Santa Clara	101	47.9	389131 0116	Moffet Boulevard to San Mateo County Line: ramp meter - HOV bypass lanes - auxillary lane southbound (HOV = High Occupancy Vehicle)	F	1,100	8	1980-81	1,280 C
3.	Contra Costa	680	19.7	392781 0067C	At Concord Avenue Interchange: ramp metering (southbound)	I	27	8	1979-80	30 C
4.	Contra Costa	680	12.7R	389371 0061D	South Walnut Creek Overhead to Willow Pass Road: ramp metering. (southbound and northbound)	I	93	8	1979-80	100 C
5.	San Mateo	101	0.0	LN0109 0098B	Santa Clara County Line to Whipple Avenue: ramp metering (southbound)	F	139	8	1979-80	150 C
6.	Alameda	17	8.8	389111 0003A	Thorton Avenue to Oak Street (portions): auxiliary lane, ramp metering.	F	865	8	1982-83	1,170 C
7.	Alameda Contra Costa	80 80	3.8 0.0	394491 001B	Powell Street Undercrossing to San Pablo Dam Road auxiliary lane ramp metering westbound (portions) (in Alameda and Contra Costa County)	I	1,848	8	1981-82	2,340 C
8.	Marin	101	10.8	397841 0074	San Rafael Viad to Manuel Freitas: HOV Lane (northbound) - First Stage (HOV = High Occupancy Vehicle)	F	360	8	1983-84	530 C
9.	Marin	101			From Greenbrae to Route 37: design, right-of-way, and EIR costs for Northbound and Southbound HOV lanes to connect with existing lanes @ Greenbrae. (HOV = high occupancy vehicle) (Total est. cost = $3.7 million)	F	2,700		1979-80	2,700 P/R/EIR
10.	Alameda	580			High Occupancy Vehicle Lanes (HOV)- Design and EIR Costs: (a) SF-Oakland Bay Bridge Head to Bay Bridge Distribution Center; (b) On Emeryville Streets from I-580/24 Interchange to Bay Bridge Distribution Center; (c) On West Grand Avenue from Route 17 to Bay Bridge Approach.	I	1,400		1979-80	1,400 P/EIR
					TOTAL HB 42 - FREEWAY CONGESTION RELIEF PROJECTS -HIGHWAY PROGRAM-		10,269			11,720

* F = Consolidated Primary
I = Interstate

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HB 43 - Freeway Traffic Service Projects
-Highway Program-

MTC Priority Number	County	Rte	Post Miles		PROJECT DESCRIPTION	*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Contra Costa	680	15.6	377111 0064	North Main Street to Oak Park Boulevard: modify interchanges and local streets.	I	740 R 6,658 C 7,392 T	8	1979-80 1979-80	740 R 7,160 C 7,900 T
2.	Contra Costa	680	15.6	380871 0063E	North Main Street Interchange: modify interchange (Total esc. cost $1230 (FAU))	M	60	8	1980-81	70 C
3.	Marin	101	17.9	391121 0074F	Ignacio Boulevard Interchange: modify interchange (Total esc. cost $1432 (FAU))	M	738 R 46 C 784 T	8	1979-80 1979-80	790 R 50 C 840 T
4.	Contra Costa	04	26.2	399821 0040A	At Eastbound ramp and Somerville Road: install signals and widen offramp (Total Cost =$72)	M	27	8	1979-80	30 C
5.	Contra Costa	80	7.2	380211 0059	Appian Way Interchange: reconstruct interchange (Total esc. cost $4864 (FAU))	M	29 R 643 C 672 T	8 8	1979-80 1982-83	29 R 870 C 899 T
6.	Contra Costa	80	8.5	380851 0060A	Pinole Valley Road to Route 4: modify southbound on-ramp.	I	141 R 2,354 C 2,495 T	8	1980-81 1981-82	160 R 2,980 C 3,140 T
7.	Santa Clara	17	19.2R	381141 0103D	Inters off-ramp and Shallenberger Drive: channelization and widen ramp.	F	18	8	1979-80	20 C
8.	Solano	80	17.5	180301 0018J	In Fairfield, Travis Boulevard interchange: revise interchange, State forces to buy right-of-way. ($358 right-of-way & $1,806 Roadway Funds by City)		1		1983-84	1 C
					HB 43 - FREEWAY TRAFFIC SERVICE PROJECTS -HIGHWAY PROGRAM-		11,449			12,900

*I = Interstate
M = Urban System
F = Consolidated Primary

TRANSPORTATION IMPROVEMENT PROGRAM

April 1, 1979
MTC Regional Program Priority Listing

Program: HB 44 - Conventional Highway & Expressway Operational Improvement Projects
-Highway Program-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Santa Clara	82	11.5	381501 0105 In Santa Clara at Intersection of Lafayette Street: modify traffic signals. (Total cost $60 of SCL TSM)	STA	37	8	1979-80	40 C
2.	Marin	17	2.0	393191 0069 In San Rafael at Bellam Boulevard Undercrossing: widen, resurface, signals. (7/8 delay) (Total escalated cost $690 (FAU))	M	213	8	1979-80	230 C
3.	Solano Solano	12 80	2.8 17.2	250201 0017R Fairfield - At the Route 12/80 Interchange: realignment of Route 12, Rockville Road. ("TSM" project)	F	150	8	1979-80	162 C
4.	Santa Clara	82	24.0	395821 0104D Interchange of El Camino & Page Mill Road: modify signals and channelization. (Total estimated cost $250, FAU $200-7/8 Delay)	M	18	8	1979-80	20 C
5.	Santa Clara	82	4.2	399341 0103E At Umbarger Road: install traffic signals. (Total cost $105 - "TSM" Project)	M	46	8	1979-80	50 C
6.	Santa Clara	82	20.7	381301 0106C At El Monte Avenue: widening and channelization. ("TSM" Project)	STA	18	8	1979-80	20 C
7.	Sonoma	116	36.4	381081 0143D At Frates Road: widen for left-turn lanes and taper. ("TSM" project)	M	46	8	1979-80	50 C
				TOTAL HB 44 - CONVENTIONAL HIGHWAY & EXPRESSWAY OPERATIONAL IMPROVEMENT PROJECTS -HIGHWAY PROGRAM-		528			572

* STA = State Only
M = Urban System
F = Consolidated Primary

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HE II - New Connections & Cross-Traffic Improvement Projects
-Highway Program-

Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	* Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	San Francisco	280	7.8R	207011 0091 Third Street to The Embarcadero: construct ramps	I	284 R 1,679 C 1,963 T	8	1980-81 1982-83	330 R 2,270 C 2,600 T
2.	Alameda	680	18.3R	288011 0035 In Pleasanton, @ Las Positas Blvd.: vehicular overcrossing (Pleasanton) (I-$500 A-$300 FAU-$300 S-$400 TEC-$2100)	I	52 R 1,019 C 1,071 T	8	1979-80 1981-82	60 R 1,290 C 1,350 T
3.	Contra Costa	04	25.0	385631 0041A In Antioch @ Standard Oil Avenue: new interchange	M	363 C	8	1981-82	460 C
				TOTAL HE11 - NEW CONNECTIONS & CROSS-TRAFFIC IMPROVEMENT PROJECTS -HIGHWAY PROGRAM-		3,397			4,410

* I = Interstate
M = Urban System

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HE 12 - Upgraded Facilities
-Highway Program-

MTC Priority Number	County	Rte	Post Miles		PROJECT DESCRIPTION	*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Santa Clara	82	18.8	151121 0104F	Route 85 to Showers Drive: six lanes divided conventional highway. (Total est. cost = $9,610, Local = $8,980.	STA	945 R 734 C 1,679 T	8 8	1980-81 1981-82	1,030 R 930 C 1,960 T
2.	San Mateo	92/101			Route 92/101 Interchange: replace existing structures with direct freeway-to-freeway connections between Routes 92 and 101. Construct grade separation at South Norfolk Street and new bridge over Mariner Lagoon. (Total est. cost = $38 million/$16 million from Bridge Replacement Fund.)	F	22,000 C		1981-82	22,000 C
3.	Santa Clara	152			Between Pacheco Creek Bridge and the existing four lane section in the vicinity of the Merced County Line: widen roadway from two to four lanes and add median barrier and truck escape ramps.	F	7,500 C		1981-82	7,500 C
4.	Alameda	17/238			Routes 17 and 238: construct interchange and make modifications to provide westbound to southbound freeway-to-freeway connection.	F	8,200 C		1981-82	8,200 C
					TOTAL HE 12 - UPGRADED FACILITIES -HIGHWAY PROGRAM-		39,379			39,660

* STA = State Only
F = Consolidated Primary

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HE 13 - Lane Additions
-Highway Program-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Solano	37		Between Sage Street and Solano County Fairgrounds to Napa River Bridge in Vallejo: upgrade two lane roadway to four lane expressway.	F	2,000 C	8	1981-82	2,500 C
				TOTAL HE 13 - LANE ADDITIONS -HIGHWAY PROGRAM-	2,000	2,000			2,500

*F = Consolidated Primary

April 1, 1979
MTC Regional Program Priority Listing

Program: HE 14 - New Highways
-Highway Program-

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Priority Number	County	Rte	Post Miles		PROJECT DESCRIPTION	*Funding Source	1/79 Cost (000)		Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)	
1.	Santa Clara	101	17.2R	117321 0110A	South of Cochran Road to North of Route 82:	F		R	8	1979-80	250	R
							19,130	C	8	1979-80	20,570	C
							19,130	T			20,820	T
2.	Santa Clara	101	17.2	117371 0110B	South of Cochran Road to North of Route 82: four lane freeway, grading, paving and drainage.	F	13,264		8	1981-82	16,790	C
3.	Solano	37	7.5	028244 0018L	Napa River to Junction Route 80: Federal Advance Acquisition Fund Payback	STA	1,132			1982-83	1,132	R
4.	Contra Costa	4	12.9	120251 0039	East of Route 680 to Peralta Road: 4 lane freeway	F				1979-80	325	R
							8,881	C	8	1979-80	9,550	C
							8,881	T			9,875	T
5.	Alameda	980	0.0	399971 0035C	Route 17 to 11th Street: Freeway and structures	I		R		1979-80	830	R
							23,770	C		1980-81	27,640	C
							23,770	T			28,470	T
6.	Alameda	580	25.9	410961 0022	East Eden Canyon to East Crow Canyon Roads: reconstruct to six lanes including HOV lanes (HOV = high occupancy vehicle)	I		C		1979-80	570	R
							28,371	R	8	1980-81	32,990	C
							28,371				33,560	T
7.	Alameda	580	28.0	410921 0024	East Crow Canyon Road to East Strobridge Avenue: reconstruct to six lanes including HOV lanes.	I		R		1979-80	3,840	R
							15,649	C	8	1981-82	19,810	C
							15,649	T			23,650	T
8.	Alameda	580	28.0	410981 00238	0.5 miles east of Crow Canyon Road to 0.4 miles east of Strobridge Avenue: modify interchange and realign local roads.	I	5,226	C	8	1979-80	5,620	C
9.	Alameda	580	29.6	410911 0028	East of Strobridge Avenue to West 167th Avenue: widen to six lanes with HOV lanes - construct interchange.	I	8,100	R		1979-80	8,980	R
							24,745	C	8	1982-83	33,440	C
							32,845	T			42,420	T
10.	Santa Clara	280	0.0R	402341 0121	Route 680/280/101 Interchange: construct remaining direct connection movements	I	9,941	C	8	1983-84	14,620	C
11.	Santa Clara	280	0.0R	402331 0120	Route 680/280/101 Interchange: construct direct connection movements (portions)	I	31	R			40	R
							15,996	C	8	1979-80	17,200	C
							16,027	T			17,240	T
12.	Sonoma	101	54.0	400761 0141E	At Russian River (Preston) Bridge #20-31 and Preston Overhead (Bridge #20-32): replace bridges and approaches.	BR	1,380	R		1980-81	1,640	R
							8,516	C			10,780	C
							9,896	T			12,420	T
13.	Contra Costa	04	0.2	207241 0036	Route 80 to East of Willow Avenue: two lane highway and under pass. (Total esc. cost = $2955 (Hercules))	STA	1,502	C	8	1983-84	2,210	C

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* F = Consolidated Primary / STA = State Only
I = Interstate / BR = Special Bridge Replacement

April 1, 1979
MTC Regional Program Priority Listing

Program: HE 14 - New Highways
-Highway Program-

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	* Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
14.	Solano	141	0.2R	058321 0018A 0.2 miles west of Route 80 to Route 29 (FAU): four lane city street. (EIS by City of Vallejo) (Total escalated cost = $3,360)	M	74 R 451 C 525 T	8	1980-81 1981-82	85 R 571 C 656 T
15.	Solano	141	2.4	058341 0019 Florida Street to Farragut Avenue in Vallejo: four lane conventional highway	STA	263 R 1,232 C 1,495 T	8	1981-82 1982-83	311 R 1,665 C 1,976 T
16.	Solano	12	5.1R	071601 0018H Pennsylvania Avenue to Marina Boulevard (Fairfield Bypass): two lane expressway. ($4,200 construction & $1,400 Right-of-Way by City)		1 C		1981-82	1 C
17.	Contra Costa	180		On Route 17 from I-80 to Marine Street in Richmond: construct new freeway. Starter project on First Segment between 51st Street & 23rd Street. (Total est. cost of First Segment = $55 million)	I	3,900 R		1979-80	3,900 R
18.	San Mateo	380		Construct collector ramps on Route 101 between San Bruno Avenue and Millbrae Avenue to provide a direct connection between I-380 and reconstructed San Francisco Airport Terminal Interchange.	I	13,000 C	8	1981-82	16,300 C
19.	Sonoma	101		Route 101 - Construct four lane expressway bypassing the City of Cloverdale.	F	20,000		1981-82	25,000 C
				TOTAL HE 14 - NEW HIGHWAYS -HIGHWAY PROGRAM-		224,555			276,660

* M = Urban System I = Interstate
STA = State Only F = Consolidated Primary

TRANSPORTATION IMPROVEMENT PROGRAM

April 1, 1979

MTC Regional Program Priority Listing

Program: HE 3 - New Bicycle Facilities Construction

-Highway Program-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION		*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Santa Clara	9	7.4	207531 0101	Saratoga to Los Gatos: bicycle lanes. (TSM AQM)	F	86	8	1980-81	100 C
2.	Santa Clara	85	10.5	207541 0105B	Saratoga to Cupertino: bicycle lanes. (TSM AQM)	STA	74	8	1979-80	80 C
3.	Alameda	80	5.8	207471 0017D	University Avenue Interchange: pedestrian and bicycle overcrossing. (Total cost $400 FAU) (TSM AQM)	M	71	8	1981-82	90 C
4.	Solano/ Yolo	128 128	0.0 0.0	NA 1252 0105P	Napa/Solano County Line to County Route 86: widen for bicycle lanes. (Solano cost shown only; total esc. cost=$25)	STA	5	8	1980-81	6 C
5.	Alameda	84	10.8	400861 0019	Fremont to Sunol: complete shoulder widening for bicycles (TSM AQM)	F	139	8	1979-80	150 C
6.	Contra Costa	17	5.4	207491 0042A	Marine Street to North of Scofield Avenue: bike path to Pt. Molate (TSM AQM)	F	126	8	1981-82	160 C
7.	Santa Clara	152	5.0	207551 0116B	Santa Teresa to Watsonville Road: widening of shoulders for bicycles (TSM AQM)	RS	83	8	1979-80	90 C
8.	Sonoma	101	15.0	207461 0140C	Wilfred Avenue Overhead: bike path. (TSM AQM)	STA	129	8	1980-81	150 C
9.	Marin	1	26.5		Olema to Pt. Reyes Station: construct shoulders for bicycle traffic.	STA	220	-	1982-83	220 C
10.	Marin	101	8.5		Construct pedestrian-bicycle path on Corte Madera Creek Bridge.	STA	240	-	1980-81	240 C
11.	San Mateo	92	0.0		Provide shoulders for bicycle traffic - Phase I	STA	200	-	1981-82	200 C
12.	San Mateo	92	0.0		Provide shoulders for bicycle traffic - Phase II	STA	200	-	1982-83	200 C
				TOTAL HE 3 - NEW BICYCLE FACILITIES -HIGHWAY PROGRAM-			1,573			1,686

* F = Consolidated Primary
STA = State Only
M = Urban System (State Only, FAU & Fed. RR Crossings)
F = Consolidated Primary
RS = Rural Secondary (FAS)

TRANSPORTATION IMPROVEMENT PROGRAM

April 1, 1979
MTC Regional Program Priority Listing

Program: MB 22 - Highway/Guideway Decision Reserve
-Highway Program-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	* Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
SF				SAN FRANCISCO CITY & COUNTY					
1.	San Francisco	970	1.0	Highway/Guideway Decision Reserve - San Francisco County (San Francisco Municipal Railway - SF Muni)	STA	7,500		1979-84	7,500
SCL				SANTA CLARA COUNTY					
1.	Santa Clara	970	1.0	Highway/Guideway Decision Reserve - Santa Clara County (Santa Clara County Transit District - SCCTD)	STA	15,100		1979-84	15,100
				TOTAL MB 22 - HIGHWAY/GUIDEWAY DECISION RESERVE		22,600			22,600

* STA = State Only

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-ALAMEDA COUNTY-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
SF-0(+)				San Francisco-Oakland Urbanized Area For Projects Over $500,000					
1.	Alameda			Grove Way, Center Street & Crow Canyon Road - construct four lane divided roadway to eliminate the bottleneck and provide improved access to Route 580 interchange areas.	FAU/Local	1,073		1979-80	1,073
2.	Alameda	City of San Leandro		San Leandro Boulevard - widen between Davis Street and Castro Street to provide five and six lane divided facilities. Coordinate traffic signals; separated bus loading and Class II bicycle facilities to be constructed.	FAU/Local	1,468		1979-80	1,468
3.	Alameda	City of Fremont/ Union City		Decoto Road - from Fremont Boulevard to Mission Boulevard: widen roadway to provide four lane divided facility, channelization.	FAU/Local	3,523	10	1980-81	3,875
4.	Alameda	City of Fremont		Thornton Avenue - construct four lane divided roadway between Nimitz Freeway (SR 17) and Paseo Padre Parkway.	FAU/Local	2,000	20	1981-82	2,400
5.	Alameda	City of Newark		Cherry Street - reconstruct to provide four lane divided facility between Mowry Avenue and Central Avenue. Separated bus loading and Class II bicycle facilities will be constructed.	FAU/Local	1,775	30	1982-83	2,308
6.	Alameda	City of Hayward		"D" Street - construct new four lane facility between Grand Street and Winton Avenue @ Soto Road.	FAU/Local	3,405	40	1983-84	4,767
SF-0(-)				San Francisco-Oakland Urbanized Area For Projects Under $500,000					
1.	Alameda	City of Albany		San Pablo Avenue - resurface and redelineate existing six lane undivided facility to provide four lane divided facility between north city limits and south city limits. Provide left-turn lane storage areas.	FAU/Local	384		1979-80	384
2.	Alameda	City of Emeryville		Powell Street - construct four lane roadway between Hollis Street and Vallejo Street to improve access to shipping terminals and AC Transit facilities.	FAU/Local	228		1979-80	228
3.	Alameda	City of Newark		Central Avenue - Reconstruct to provide four lane divided facility between Hyacinth Street and Cedar Boulevard.	FAU/Local	602		1979-80	602

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April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-ALAMEDA COUNTY-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)		Escalated Cost (000)
Livm.				Livermore Urban Area						
1.	Alameda	City of Livermore		South Livermore Avenue - 4th Street & East Avenue intersection: reconstruction of existing roadway between 4th St. & 100' south of 5th St. Replacement of existing deteriorating two lane roadway, realignment of 4th Street-East Avenue intersection, and new traffic signals.	FAU/Local	241		1979-80		241
2.	Alameda	City of Livermore		East Avenue - storm drainage and rehabilitation of existing roadway between Maple Street and east city limits.	FAU/Local	181		1979-80		181
3.	Alameda	City of Livermore		Murrieta Boulevard and Olivina Avenue - widen Murrieta Blvd between Western Pacific Railroad and Olivina Avenue, widen approaches to existing intersection, construct traffic signal.	FAU/Local	193		1979-80		193
4.	Alameda	City of Livermore		Railroad Avenue - reconstruction of existing roadway between North "L" Street & First Street.	FAU/Local	181		1979-80		181
5.	Alameda	City of Livermore		Vasco Road - reconstruction of existing roadway between Crestmont Avenue and north city limit.	FAU/Local	124		1980-81		136
6.	Alameda	City of Livermore		East Avenue - widen to provide four lane divided facility between Nielson Avenue and Greenville Road with Class II bicycle facilities.	FAU/Local	559	30	1980-81 1981-82	R* C*	703
7.	Alameda	City of Livermore		South "L" Street & Arroyo Road Bridge - reconstruction of existing roadway between College Avenue & the Arroyo Mocho. Reconstruction of bridge @ Arroyo Mocho. Replace existing two lane substandard structure with four lane structure - construction after 1983-84.	FAU/Local	699		1983-84	R*	84
Oak				Oakland City Area						
1.	Alameda	City of Oakland		Edes Avenue - 98th Avenue to 105th Avenue: reconstruct existing facility to provide two lane undivided facility.	FAU/Local	606		1979-80		606
2.	Alameda	City of Oakland		Maritime Street - 7th Street to West Grand Avenue: reconstruct existing facility to provide a four lane divided facility with channelization at key intersections and traffic signal modernization.	FAU/Local	2,384		1979-80		2,384

(continued on next page)

* R = indicates Right-of-Way Acquisition in this FY
C = indicates Construction in this FY

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MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-ALAMEDA COUNTY-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
Plsntn				Pleasanton Urban Area					
1.	Alameda	City of Pleasanton		FAI 680/West Las Positas Boulevard - construction of a vehicular overcrossing over Route I-680 @ West Las Positas Boulevard with pedestrian and bicycle facilities.	FAU/Local	1,057	40	1979-80 1983-84	1,389
Dublin				Dublin Urban Area					
1.	Alameda	Dublin		San Ramon Frontage Road - construct frontage road on westerly side of San Ramon Road from northerly of Dublin Boulevard to southerly of Silvergate Drive to control access movements on San Ramon Road.	FAU/Local	200	40	1983-84	280
				TOTAL FEDERAL AID URBAN - ALAMEDA COUNTY		20,883			23,483

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MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-CONTRA COSTA COUNTY-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
A-P				Antioch-Pittsburgh Urbanized Area					
1.	Contra Costa	City of Pittsburgh		Buchanan Road - widen from Harbor Street easterly to city limit.	FAU/Local	1,207		1979-80	1,207
2.	Contra Costa	City of Pittsburgh		Railroad Avenue and 10th Street Intersection - replace traffic signal system, install handicapped and bicycle ramps and enlarge curb return.	FAU/Local	112		1979-80	112
3.	Contra Costa	City of Antioch		West 10th Street - widen to four lane divided roadway from "O" Street to "L" Street	FAU/Local	322		1979-80	322
4.	Contra Costa	City of Antioch		East 18th Street - widen to four lanes from "A" Street to Cavallo Road.	FAU/Local	395		1980-81	395
5.	Contra Costa	City of Pittsburgh		Harbor Street Overcrossing - @ State Route 4: widen to four lanes, divided roadway.	FAU/Local	500		1981-82	500
6.	Contra Costa	City of Antioch		State Route 4 - @ Standard Oil Avenue: construct the two initial ramps of a diamond interchange.	FAU/Local	867		1983-84	867
SF-O				San Francisco-Oakland Urbanized Area					
1.	Contra Costa	El Cerrito		San Pablo Avenue - from Cutting Blvd. to Richmond city limit: widen to four lane divided roadway.	FAU/Local	1,050		1979-80	1,050
2.	Contra Costa	San Pablo		San Pablo Avenue - widen from Evans Avenue to Church Lane	FAU/Local	1,585		1979-80	1,585
3.	Contra Costa	Walnut Creek		North Main Street - widen from Pringle Avenue to Lesnick Lane: modify signal; modify on-and-off-ramps at Interstate 680.	FAU/Local	3,472		1979-80	3,472
4.	Contra Costa	Rte. 80		Interstate 80 @ Appian Way - revise interchange and widen overcrossing.	FAU/Local	4,000		1980-81	4,000
5.	Contra Costa	Rte. 680		Interstate 680 and Concord Avenue - add loop on-ramp and relocate existing off-ramp in southeast quadrant.	FAU/Local	2,900		1981-82	2,900
6.	Contra Costa	Rte. 242		State Route 242 and Willow Pass Road - add loop on-ramp in northwest quadrant with connection to Commerce Avenue.	FAU/Local	1,650		1982-83	1,650
				TOTAL FEDERAL AID URBAN - CONTRA COSTA COUNTY		18,060			18,060

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MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN

-MARIN COUNTY-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Marin	101		Route 101 Interchange @ Route 131 - Revise interchange from full cloverleaf to par-clove to improve operational safety by elimination of weaving conflicts; widen from two-to-four lanes on overcrossing and install traffic signals @ two intersections.	FAU/Local	843		1979-80	843
2.	Marin			Bus Stop Turnouts & Benches - Construct turnouts at 25 sites, including pavement restoration, passenger waiting platform, curb, gutter, and drainage improvement, and installation of benches at 300 stops.	FAU/Local	251		1979-80	251
3.	Marin			Bus Transit Commuter Parking Lot-Lucas Valley - Construct fringe area parking lot for 88 commuters adjacent to Interchange @ Route 101.	FAU/Local	97		1979-80	97
4.	Marin	101		Bus Stop-Route 101/North San Pedro Road - Construct northbound bus stop along highway between off-and-off-ramps.	FAU/Local	100		1979-80	100
5.	Marin	131		Route 131, Tiburon Boulevard - Between Reed Ranch Road and Stewart Drive: realign and widen from two to four lanes with median and bicycle/pedestrian facilities.	FAU/Local	395	8	1979-80 1980-81	424
6.	Marin	101		Route 101 Interchange - @ Ignacio Boulevard: Extend overcrossing to Bel Marin Keys Boulevard across North Western Pacific Rail Road, install traffic signals @ Nave Drive ramp intersection, provide pedestrian/bicycle facilities.	FAU/Local	2,160	8	1980-81 1981-82 1982-83	2,333
7.	Marin	101		Route 101 Interchange @ Lincoln Avenue/Merrydale Road - Connect adjacent arterials parallel to highway to form local two lane continuous frontage road; improve ramp connections; eliminate at-grade intersections.	FAU/Local	2,000	8	1982-83 1983-84	2,512
				TOTAL FEDERAL AID URBAN - MARIN COUNTY		5,846			6,560

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MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-NAPA COUNTY-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
Napa				Napa Urban Area					
1.	Napa			Highway 29 - Redwood-Trancas: signal modifications and additional left turn lane.	FAU/Local	424		1979-80	424
2.	Napa			Redwood Road - @ Redwood Creek: replace existing narrow bridge west of Dry Creek Road - Redwood Road intersection	FAU/Local	480		1981-82	480
3.	Napa			Browns Valley Road - @ Thompson Avenue: replace narrow bridge at south branch of Napa Creek and improve intersection.	FAU/Local	430		1983-84	430
4.	Napa			Linda Vista Avenue - @ Napa Creek: bridge and street construction for north-south circulation link.	FAU/Local	480		1983-84	480
SF-Oak				San Francisco-Oakland Urbanized Area					
1.	Napa			American Canyon Road - resurfacing and safety widening; from Southern Pacific Railroad 0.6 mile easterly to Flosden.	FAU/Local	80	8	1980-81	86
2.	Napa			American Canyon Road - safety widening from Broadway easterly to Flosden Road.	FAU/Local	54	8	1983-84	71
				TOTAL FEDERAL AID URBAN - NAPA COUNTY		1,948			1,971

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-CITY & COUNTY OF SAN FRANCISCO-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
Streets				STREETS ONLY PROJECTS					
1.	San Francisco			Mission Street - Resurfacing: county line to Perala Ave.	FAU/Local	228		1979-80	228
2.	San Francisco			Mission Street - Resurfacing: Mission Street: Murray to Army Streets.	FAU/Local	219		1979-80	219
3.	San Francisco			Folsom Street - Resurfacing: Folsom Street: 19th Street to Army Street.	FAU/Local	134		1979-80	134
4.	San Francisco			Howard Street - Resurfacing: Howard Street: 3rd to 12th Streets.	FAU/Local	135		1979-80	135
5.	San Francisco			California Street - Resurfacing: California Street: Scott Street to Park Presidio Boulevard.	FAU/Local	290		1979-80	290
6.	San Francisco			Third Street - Resurfacing: 3rd Street: Custer to Newcomb Avenues.	FAU/Local	170		1979-80	170
7.	San Francisco			19th Avenue - Resurfacing: 19th Avenue: county line to Lincoln Way.	FAU/Local	365		1979-80	365
8.	San Francisco			Elk Street - Restoration: Elk Street: Bosworth to Sussex Streets.	FAU/Local	94		1979-80	94
9.	San Francisco			Mission Street - Resurfacing: Mission Street: 6th Street to The Embarcadero	FAU/Local	192		1979-80	192
10.	San Francisco			O'Shaughnessy Boulevard - Resurfacing: O'Shaughnessy Boulevard: Portola Drive to West of Del Vale Avenue.	FAU/Local	23		1979-80	23
11.	San Francisco			Handicapped Ramps on FAU Streets - Various Locations: construct handicap ramps on FAU streets.	FAU/Local	628	10	1979-84	799
12.	San Francisco			Traffic Signals - Various Locations: installation of new traffic signals; and at various locations modification of existing signals for improved visibility and safety.	FAU/Local	1,732	10	1979-84	2,093
13.	San Francisco			Earthquake Work (Transit Streets) - Various Locations: reinforcement of structures on or over transit streets.	FAU/Local	241		1979-80	241
14.	San Francisco			Lake Merced Boulevard - Resurfacing: Lake Merced Blvd.: Brotherhood Way to Winston Drive.	FAU/Local	164		1979-80	164

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April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-CITY & COUNTY OF SAN FRANCISCO-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
Streets				STREETS ONLY PROJECTS (continued)					
15.	San Francisco			Fillmore Street - Resurfacing: Fillmore Street: Filbert to Chestnut Streets.	FAU/Local	22		1979-80	22
16.	San Francisco			Alemany Boulevard - Resurfacing: Alemany Boulevard: St. Charles Avenue to Brotherhood Way.	FAU/Local	62		1979-80	62
17.	San Francisco			Silver Avenue - Resurfacing: Silver Avenue: Bayshore Boulevard to Palou Avenue.	FAU/Local	57		1979-80	57
18.	San Francisco			McAllister Street - Resurfacing: McAllister Street: Gough to Market Streets.	FAU/Local	96		1979-80	96
19.	San Francisco			Turk Street - Resurfacing: Turk Street: Van Ness Ness Avenue to Market Street.	FAU/Local	101		1979-80	101
20.	San Francisco			Golden Gate Avenue - Resurfacing: Golden Gate Avenue: Parket Avenue to Market Street.	FAU/Local	236		1979-80	236
21.	San Francisco			Monterey Boulevard - Resurfacing: Monterey Boulevard: Santa Clara to Ridgewood Avenues and Circular Avenue to Diamond Street.	FAU/Local	119		1979-80	119
22.	San Francisco			Taraval Street - Resurfacing: Taraval Street: 19th to 30th Avenues.	FAU/Local	77		1979-80	77
23.	San Francisco			Lombard Street & Van Ness Avenue - Rechannelization: @ the Intersection of Lombard Street & Van Ness Avenue: widen Lombard Street, modify existing signal system, construct pedestrian island @ westerly crosswalk.	FAU/Local	56		1979-80	56
24.	San Francisco			Marina District Traffic Improvements - Signalizing intersections and narrowing sidewalks in the Marina District.	FAU/Local	121		1979-80	121
25.	San Francisco			Union Street - Resurfacing: Union Street: Scott Street to Columbus Avenue.	FAU/Local	220		1979-80	220
26.	San Francisco			Market Street - Rehabilitation and bike lanes: Market St: Collingwood Street to McCoppin Street: widen sidewalks, construct landscaped median, and construct bike lane.	FAU/Local	1,952		1979-80	1,952
27.	San Francisco			Broadway - Restoration: Broadway: Leavenworth to Jones St.	FAU/Local	112		1979-80	112
28.	San Francisco			17th Street - Resurfacing: 17th Street: Market to Clayton	FAU/Local	94		1979-80	94

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MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-CITY & COUNTY OF SAN FRANCISCO-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
Streets				STREETS ONLY PROJECTS (continued)					
29.	San Francisco			Castro Street - Restoration: Castro Street: Alvarado to 23rd Streets.	FAU/Local	60		1979-80	60
30.	San Francisco			Washington Street - Restoration: Washington Street: Powell to Stockton Streets.	FAU/Local	65		1979-80	65
31.	San Francisco			Battery Street - Resurfacing: Battery Street: The Embarcadero to Market Street.	FAU/Local	142		1979-80	142
32.	San Francisco			Folsom Street - Resurfacing: Folsom Street: 4th to 19th Streets.	FAU/Local	240		1979-80	240
33.	San Francisco			Folsom Street & Howard Street - Resurfacing: 3rd to Steuart Streets.	FAU/Local	233		1979-80	233
34.	San Francisco			Haight Street - Resurfacing: Haight Street: Stanyan to Baker Streets.	FAU/Local	92		1979-80	92
35.	San Francisco			California Street - Pedestrian and Safety Modifications: Arguello Boulevard to Park Presidio Boulevard: Installation of new traffic signals and channelization at various locations.	FAU/Local	219		1979-80	219
36.	San Francisco			Traffic Signals - Various Locations: intersections of Beach and Taylor Streets; Jackson & Polk Streets; Guerrero & 19th Streets; Mission St. & Precita Avenue; installation of new traffic signals; and at various locations modification of existing signals for improved visibility and safety.	FAU/Local	837		1979-80	837
37.	San Francisco			Bayshore Boulevard - Median Barrier Installation: Bayshore Boulevard: South of Army Street: installation of a median barrier along Bayshore Blvd. median south of Army Street interchange to U.S. 101 to improve traffic safety.	FAU/Local	29		1979-80	29
38.	San Francisco			Skyline Boulevard & John Muir Drive - Traffic Signals: installation of new traffic signals at the intersection of Skyline Blvd. and John Muir Drive.	FAU/Local	90		1979-80	90
39.	San Francisco			Route 35 - Resurfacing: Route 35: 19th Avenue to Skyline Boulevard.	FAU/Local	164		1979-80	164
40.	San Francisco			Handicapped Ramps on FAU Streets - Various Locations: construct handicapped ramps on FAU Streets.	FAU/Local	225		1979-80	225

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MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-CITY & COUNTY OF SAN FRANCISCO-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
Streets				STREETS ONLY PROJECTS (continued)					
41.	San Francisco			Street Resurfacing - Various FAU Streets: pavement resurfacing.	FAU/Local	241		1979-80	241
42.	San Francisco			Bike Lane - Glen Park BARTD Station to Golden Gate Park: construct separate bike lane.	FAU/Local	62	10	1980-81	68
43.	San Francisco			Bayshore Boulevard Traffic Improvements - Signal modifications and channelization along Bayshore Blvd. between Army Street and Silver Avenue.	FAU/Local	209	10	1980-81	229
44,	San Francisco			North Point Street - Restoration: North Point Street: Columbus Avenue to The Embarcadero.	FAU/Local	669	10	1980-81	736
45.	San Francisco			16th Street - Resurfacing: 16th Street: Capp Street to Potrero Avenue.	FAU/Local	83	10	1980-81	91
46.	San Francisco			Post Street - Resurfacing: Post Street: Polk Street to Montgomery Street.	FAU/Local	102	10	1980-81	112
47.	San Francisco			San Jose Avenue - Eastern Slope Stabilization - Vicinity of Highland Avenue: construction of a wall and related work necessary to stabilize movement of slope adjacent to roadway.	FAU/Local	409	10	1980-81	450
48.	San Francisco			Update Signing on FAU Streets - Various Locations: update non-standard traffic signs on streets in the FAU System to those meeting National Uniform Standards.	FAU/Local	54	10	1980-81	59
49.	San Francisco			California Street - Reconstruction: California Street Hyde to Jones Streets.	FAU/Local	130	10	1981-82	157
50.	San Francisco			Laguna Honda Boulevard - Resurfacing: Laguna Honda Blvd.: Noriega Street to Dewey Boulevard.	FAU/Local	86	10	1981-82	104
51.	San Francisco			Woodside Avenue - Resurfacing: Woodside Avenue: Dewey Boulevard to Portola Drive.	FAU/Local	55	10	1981-82	67
52.	San Francisco			Portola Drive Traffic Improvements - Signal modifications and channelization @ various intersections along Portola Drive between Burnett Avenue and Sloat Blvd. for improved traffic safety and reduced congestion.	FAU/Local	94	10	1981-82	114
53.	San Francisco			Powell Street - Restoration: Powell Street: Sutter to Ellis Streets.	FAU/Local	133	10	1981-82	161

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TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-CITY & COUNTY OF SAN FRANCISCO-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
Streets				STREETS ONLY PROJECTS (continued)					
54.	San Francisco			Mason Street - Restoration: Mason Street: Washington to Green Streets.	FAU/Local	200	10	1981-82	242
55.	San Francisco			Hyde Street - Restoration: Hyde Street: Chestnut to Bay Streets.	FAU/Local	90	10	1981-82	109
56.	San Francisco			Reflective Pavement Markings - Various FAU Streets: installation of a reflective pavement markers on various FAU streets for positive delineation of traffic lanes.	FAU/Local	190	10	1981-82	253
57.	San Francisco			Bay Street - Resurfacing: Bay Street: Fillmore Street to The Embarcadero	FAU/Local	198	10	1981-82	240
58.	San Francisco			Bayshore Boulevard - Resurfacing: Bayshore Boulevard: Third to Army Streets.	FAU/Local	335	10	1981-82	405
59.	San Francisco			Sloat Boulevard - Resurfacing: Sloat Boulevard: 19th Avenue to Portola Drive.	FAU/Local	41	10	1981-82	49
60.	San Francisco			Divisadero Street - Resurfacing: Divisadero Street: Haight to California Streets.	FAU/Local	165	10	1981-82	200
61.	San Francisco			Street Restoration - Various FAU Streets: placing of a roadway surface.	FAU/Local	551	10	1982-83	777
62.	San Francisco			Geary Boulevard - Resurfacing: Geary Boulevard: 48th to 28th Avenue and Park Presidio Blvd. to Masonic Avenue.	FAU/Local	224	10	1982-83	299
63.	San Francisco			Fulton Street - Resurfacing: Fulton Street: Great Highway to Park Presidio Boulevard.	FAU/Local	183	10	1982-83	244
64.	San Francisco			Earthquake Work (Non-Transit Streets)- Various Locations: reinforcement of structures on or over non-transit streets.	FAU/Local	317	10	1982-83	422
65.	San Francisco			Park Presidio Boulevard - Resurfacing: Park Presidio Blvd: Fulton to Lake Streets.	FAU/Local	137	10	1983-84	201
66.	San Francisco			Balboa Street - Resurfacing: Balboa Street: Great Highway to Arguello Boulevard.	FAU/Local	251	10	1983-84	367
67.	San Francisco			Franklin Street - Resurfacing: Franklin Street: Market to McAllister Streets.	FAU/Local	31	10	1983-84	46

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MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-CITY & COUNTY OF SAN FRANCISCO-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
Streets				STREETS ONLY PROJECTS (continued)					
68.	San Francisco			McAllister Street - Resurfacing: McAllister Street: Fillmore to Gough Streets.	FAU/Local	27	10	1983-84	38
69.	San Francisco			Hyde Street - Resurfacing: Hyde Street: Market to Bush Streets.	FAU/Local	58	10	1983-84	84
70.	San Francisco			Leavenworth Street - Resurfacing: Leavenworth Street: McAllister to California Streets	FAU/Local	57	10	1983-84	84
Streets/ Transit				STREETS/TRANSIT PROJECTS					
1.	San Francisco			Transit Preferential Streets Program - Implement and maintain transit operational improvements such as exclusive transit lanes, bus platforms, signal pre-empts and reversible or contra-flow lanes.	FAU/Local	211		1979-80	211
2.	San Francisco			Laguna Honda Boulevard-Forest Hill Station - Rehabilitation Laguna Honda Blvd. & Woodside Avenue: realignment, rechannelization and other related street work connected with reconstruction of Forest Hill Station for Muni Metro.	FAU/Local	1,506		1979-80	1,506
3.	San Francisco			Duboce Avenue Transit Improvement Project - Duboce Ave.: Church to Belcher Streets· narrow sidewalks and construct streetcar island.	FAU/Local	60		1979-80	60
4.	San Francisco			Phelan Loop-New Roadway Construction - Construction of new roadway between Ocean and Phelan Avenues.	FAU/Local	142		1979-80	142
5.	San Francisco			M-Line Extension Along San Jose Avenue & Broad Street - Street work connected with the extension of the M-Line streetcar to the Muni Metro Center @ San Jose and Geneva Avenues.	FAU/Local	84		1979-80	84
6.	San Francisco			Transit Preferential Streets Program - Implement and maintain transit operational improvements such as exclusive transit lanes, bus platofrms, signal preempts, and reversible or contra-flow lanes.	FAU/Local	121		1979-80	121
7.	San Francisco			Transit Preferential Streets Program - Various locations: various projects implementing transit operational improvements such as exclusive transit lanes, bus platforms, signal preempts, and reversible or contra-flow lanes.	FAU/Local	712	10	1980-81	904

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TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-CITY & COUNTY OF SAN FRANCISCO-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
Streets/ Transit				STREETS/TRANSIT PROJECTS (continued)					
8.	San Francisco			J-Line Connector - 30th Street, Dolores Street, San Jose Avenue, and Ocean Avenue: street work connected with extension of J-Line streetcar to Muni Metro.	FAU/Local	219	10	1980-81	241
9.	San Francisco			Embarcadero Roadway - New Roadway Construction - The Embarcadero: Broadway to North Point Street: construct new roadway.	FAU/Local	3,286	10	1980-81	3,615
10.	San Francisco			Church Street - Resurfacing: Church Street: Market to 18th Streets.	FAU/Local	100	10	1980-81	110
11.	San Francisco			Embarcadero Track Extension for Light Rail Vehicles - Surface work necessary in connection with extension of Muni Metro tracks east of the Embarcadero Station.	FAU/Local	100	10	1981-82	121
12.	San Francisco			Cable Car Routes - Reconstruction: various locations: pavement reconstruction along existing cable car routes.	FAU/Local	372	10	1981-82	483
13.	San Francisco			Ocean Avenue - From Junipero Serra Boulevard to Lee Avenue: street work connected with the Muni K-Line rerail.	FAU/Local	90	10	1982-83	121
14.	San Francisco			Lower Market Street - Reconstruction: pavement reconstruction of Lower Market Street.	FAU/Local	1,234	10	1983-84	1,807
15.	San Francisco			Embarcadero Roadway - Construct a new roadway; Embarcadero Roadway: Broadway to Harrison Street	FAU/Local	411	10	1983-84	602
Transit				TRANSIT ONLY PROJECTS					
1.	San Francisco			Signs for Bus Stops - Various locations: bus stop signs with transit service information.	FAU/Local	200		1979-80	200
2.	San Francisco			J-Line Connector - 30th Street, Dolores Street, San Jose Avenue, and Ocean Avenue: Work connected with extension of "J" Line streetcar to Muni Metro Center.	FAU/Local	2,077		1979-80	2,077
3.	San Francisco			Vehicular Access Improvements - Glen Park BARTD - Develop the BARTD area to accomodate drop offs, a waiting area, and midday parking.	FAU/Local	200		1979-80	200

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TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-CITY & COUNTY OF SAN FRANCISCO-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
Transit				TRANSIT ONLY PROJECTS					
4.	San Francisco			Forest Hill Station Reconstruction - Reconstruction of Forest Hill Station for Muni Metro.	FAU/Local	2,410		1979-80	2,410
5.	San Francisco			Route & Schedule Display - @ the Transbay Terminal for San Mateo County Transit District (SamTrans)	FAU/Local	6		1979-80	6
6.	San Francisco			Route & Schedule Display - @ the San Francisco International Airport for SamTrans	FAU/Local	6		1979-80	6
7.	San Francisco			Duboce Avenue Rerail - Duboce Avenue: from Streetcar Tunnel to Church Street: rerail.	FAU/Local	578		1979-80	578
8.	San Francisco			Golden Gate Transit Shelter - Construct transit shelter for Golden Gate Transit buses on 7th Street @ Market Street.	FAU/Local	20		1979-80	20
9.	San Francisco			Golden Gate Transit Shelter - Construct transit shelter for Golden Gate Transit buses on Lombard @ Fillmore Streets.	FAU/Local	20		1979-80	20
10.	San Francisco			Signs for Bus Stops - Phase I - Various Locations: bus stop signs with transit service information.	FAU/Local	181		1979-80	181
11.	San Francisco			Signs for Bus Stops - Phase II - Various Locations: bus stop signs with transit service information.	FAU/Local	181		1979-80	181
12.	San Francisco			Escalator for Van Ness Station - Construct an escalator Van Ness Avenue Station for Muni Metro.	FAU/Local	151		1979-80	151
13.	San Francisco			J-Line Rerail - Rerail from Market to 18th Streets.	FAU/Local	818	10	1980-81	900
14.	San Francisco			Embarcadero Roadway - Transit improvements along The Embarcadero from Broadway to North Point Street.	FAU/Local	110	10	1980-81	121
15.	San Francisco			M-Line Rerail - Rerail from Junipero Serra Boulevard to Plymouth Avenue	FAU/Local	996	10	1981-82	1,205
16.	San Francisco			K-Line Rerail - Rerail from Junipero Serra Boulevard to Lee Avenue.	FAU/Local	936	10	1982-83	1,246
17.	San Francisco			Embarcadero Roadway - Construct overhead electrical lines and power substations. Embarcadero Roadway from Broadway to Harrison Street	FAU/Local	823	10	1983-84	1,205
				TOTAL FEDERAL AID URBAN - CITY & COUNTY OF SAN FRANCISCO		34,079			38,352

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-SAN MATEO COUNTY-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	San Mateo			El Camino Real - Poplar Avenue to 31st Street: channelization and signalization.	FAU/Local	661		1979-80	661
2.	San Mateo			Woodside Road - Veterans Blvd to Middlefield Road: realign southbound Route 101 off-ramp, modify signals @ Boardway & Middlefield Road.	FAU/Local	648		1979-80	648
3.	San Mateo			El Camino Real - Sanchez to Lincoln Avenue: upgrade signals and eliminate left turns @ five locations	FAU/Local	136		1979-80	136
4.	San Mateo	City of Millbrae		Millbrae Avenue - Widen to eight lanes from six substandard lanes; improve signals @ El Camino Real.	FAU/Local	535		1979-80	535
5.	San Mateo			Holly Street/Route 101 Interchange - construction of northbound ramp and west-to-south loop/	FAU/Local	2,034		1979-80	2,034
6.	San Mateo			El Camino Real - @ Ravenswood Avenue: widening and signalization to provide adequate turning movements.	FAU/Local	1,141		1979-80	1,141
7.	San Mateo	*SamTrans		Purchase of 12 40-foot Passenger Buses Equipped with lift to accomodate E & H persons.	FAU/Local	930	7	1979-80	995
8.	San Mateo	*SamTrans		Purchase of 8 35-foot Passenger Buses Equipped with lift for E & H Persons	FAU/Local	1,244	7	1979-80	1,331
9.	San Mateo	*SamTrans		Construct Canopy Over Bus Waiting Area	FAU/Local	129	7	1979-80	138
10.	San Mateo			El Camino Real - Hickey Boulevard to Arroyo Drive: widen to six lanes.	FAU/Local	3,183	7	1979-80	3,406
11.	San Mateo	City of San Mateo		El Camino Real - @ Hillsdale Boulevard: modification of intersections.	FAU/Local	780		1979-80	780
12.	San Mateo	City of Daly City		Mission Street - Signalization	FAU/Local	90		1979-80	90
13.	San Mateo			Route 101/Whipple Avenue - Interchange reconstruction	FAU/Local	1,991	7	1980-81	2,130
14.	San Mateo	City of South San Francisco		Airport Boulevard - Street reconstruction	FAU/Local	1,093	7	1980-81	1,170

(continued on next page)

*SamTrans = San Mateo County Transit District

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-SAN MATEO COUNTY-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
15.	San Mateo	SamTrans		Transit Reserve - 30% of Yearly FAU Allocation	FAU/Local	2,877		1981-82 1982-83 1983-84	2,877
16.	San Mateo	City of Menlo Park		El Camino Real - Santa Cruz Avenue to Encinal Avenue: signalization and channelization.	FAU/Local	600	7	1981-82	684
17.	San Mateo			Route 101 / University Avenue - ramp modification	FAU/Local	250	7	1981-82	285
18.	San Mateo			Route 1 / Crespi Drive - signalization and intersection modification.	FAU/Local	225	7	1981-82	257
19.	San Mateo	City of San Mateo		East 3rd Avenue - widen roadway and two bridges.	FAU/Local	3,198		1981-82 1982-83	3,198
20.	San Mateo	City of San Mateo		Peninsula Avenue - intersection modification	FAU/Local	695	7	1983-84	890
21.	San Mateo			Route 35 - Sneath Lane to San Bruno Avenue: widen roadway.	FAU/Local	490	7	1983-84	628
22.	San Mateo	City of San Mateo		East 3rd Avenue - West of Route 101: reconstruct bridge.	FAU/Local	404	7	1983-84	517
				TOTAL FEDERAL AID URBAN - SAN MATEO COUNTY		23,334			24,531

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-SANTA CLARA COUNTY-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Santa Clara	SCCTD*		Benches and Signs	FAU/Local	420		1979-84	420
2.	Santa Clara	SCCTD		Minor Stop Improvements	FAU/Local	800		1979-84	800
3.	Santa Clara	SCCTD		Major Stop Improvements	FAU/Local	800		1979-84	800
4.	Santa Clara	SCCTD		Park-and-Ride Facilities	FAU/Local	1,000		1979-84	1,000
5.	Santa Clara	SCCTD		Transfer Centers	FAU/Local	1,500		1979-84	1,500
6.	Santa Clara	SCCTD		Shelters	FAU/Local	600		1979-84	600
7.	Santa Clara	SCCTD		Signal Pre-emption System	FAU/Local	700		1979-84	700
8.	Santa Clara	SCCTD		Signal and/or Intersection Improvement	FAU/Local	800		1979-84	800
9.	Santa Clara	SCCTD		Preferential Transit Treatment in Central Business District	FAU/Local	800		1979-84	800
10.	Santa Clara	SCCTD		High Occupancy Vehicle Lanes (HOV) Includes Route 237 and San Tomas Expressway	FAU/Local	1,160		1979-84	1,160
11.	Santa Clara			West Valley Transportation Corridor+ Right-of-Way Acquisition	FAU/Local	3,750		1979-84	3,750
12.	Santa Clara			Park-and-Ride Lots	FAU/Local	100		1979-80	100
13.	Santa Clara			Transit Rail Access Improvement Now (T.R.A.I.N.)+ Southern Pacific Access Improvement	FAU/Local	440		1979-84	440
14.	Santa Clara			Light Rail Starter Segment Parking Lots	FAU/Local	400		1989-84	400
15.	Santa Clara			Light Rail Starter Segment Rail Crossing Protection	FAU/Local	400		1980-84	400
16.	Santa Clara			Car Pooling Program - Administration	FAU/Local	260		1979-84	260
17.	Santa Clara			Car Pooling Program - Ramp Metering	FAU/Local	200		1980-84	200
18.	Santa Clara	101		SCL-101 Bayshore Freeway & San Tomas Expressway Interchg. Additional travel lanes plus pedestrian and bicycle facilities.	FAU/Local	5,910		1979-80	5,910

(continued on next page)

*SCCTD = Santa Clara County Transit District
(A Public Transportation project)

+ The projects shown indented under these titles are a part of the respective programs.

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-SANTA CLARA COUNTY-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
19.	Santa Clara	82		SCL-82 El Camino Real - @ Oregon-Page Mill Expressway: modify signal and channelization	FAU/Local	350		1979-80	350
20.	Santa Clara	101		SCL-101 Monterey Road - glare screen	FAU/Local	220		1979-80	220
21.	Santa Clara	87		SCL-87 Guadalupe Freeway - Southerly connection to South San Jose.	FAU/Local	3,400		1979-80 1980-81 1981-82 1982-83	3,400
22.	Santa Clara	17		SCL-17 Nimitz Freeway - @ Brokaw Road Interchange: second stage southbound off-ramp.	FAU/Local	810		1979-80	810
23.	Santa Clara	280		SCL-280 Junipero Serra Freeway - @ Saratoga Avenue: Interchange revisions.	FAU/Local	1,530		1979-80 1980-81 1981-82	1,530
24.	Santa Clara	101		SCL-101 Monterey Road - signal at Live Oak Avenue	FAU/Local	225		1979-80	225
25.	Santa Clara	85		Saratoga-Sunnyvale Road - add lane in vicinity of Rainbox Drive in San Jose.	FAU/Local	200		1979-80	200
26.	Santa Clara	82		SCL-82 El Camino Real in Santa Clara - upgrading and beautification program.	FAU/Local	435		1979-80 1980-81 1981-82	435
27.	Santa Clara	17 82		San Tomas Expressway - noise attenuation - from Route 17 to Route 82	FAU/Local	320		1979-80	320
28.	Santa Clara			San Tomas Expressway - two additional lanes and HOV (High Occupancy Vehicle) provisions between south of Moorpark Avenue and Route 82.	FAU/Local	1,100		1979-80 1980-81	1,100
29.	Santa Clara			Santa Teresa Boulevard - between Hecker Pass Highway and Mantelli Drive: install new signal.	FAU/Local	620		1979-80	620
30.	Santa Clara	City of San Jose		White Road - between Story Road & Alum Rock Avenue: widening from two to four lanes.	FAU/Local	2,070		1979-80	2,070
31.	Santa Clara			Countywide Comprehensive Signal Program - Phase A	FAU/Local	250		1979-80	250
32.	Santa Clara			Countywide Comprehensive Signal Program - Phase B	FAU/Local	300		1979-80	300

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April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-SANTA CLARA COUNTY-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
33.	Santa Clara			Countywide Comprehensive Signal Program - Phase C	FAU/Local	750		1979-84	750
34.	Santa Clara	City of San Jose		Meridian Avenue - @ Coleman Avenue: intersection improvements and signalization.	FAU/Local	310		1979-80	310
35.	Santa Clara	City of San Jose		Branham Lane - @ Pearl Avenue: intersection improvements and signalization.	FAU/Local	430		1979-80	430
36.	Santa Clara	City of San Jose		Comprehensive Signal Project III-B - signalization of various intersections within the City of San Jose.	FAU/Local	1,230		1979-80	1,230
37.	Santa Clara	City of San Jose		Comprehensive Signal Project IV - Same as above; Part IV	FAU/Local	1,550		1979-80	1,550
38.	Santa Clara	City of San Jose		Comprehensive Signal Project V - Same as item #36; Part V	FAU/Local	2,400		1979-80	2,400
39.	Santa Clara	Rte. 87		Guadalupe Freeway Landscaping - Route 280 to Julian Street	FAU/Local	400		1979-80	400
40.	Santa Clara			West Valley Transportation Corridor - preparation of EIR*	FAU/Local	200		1979-80	200
41.	Santa Clara	City of San Jose		San Felipe Road Bridge - @ Yerba Buena Creek: bridge replacement.	FAU/Local	1,040		1979-80	1,040
42.	Santa Clara	City of San Jose		White Road - between Ocala and Story Road: widening from four to six lanes.	FAU/Local	2,110		1979-80	2,110
43.	Santa Clara	City of San Jose		White Road @ Ocala Avenue - intersection improvements and signal upgrading.	FAU/Local	840		1979-80	840
44.	Santa Clara	City of San Jose		Maybury Road Bridge @ Coyote Creek - bridge replacement.	FAU/Local	1,870		1979-80	1,870
45.	Santa Clara	City of San Jose		Monterey Road - between Curtner Avenue and Blossom Hill Rd: widening to a six lane facility with signalization and channelization.	FAU/Local	3,200		1980-81	3,200
46.	Santa Clara	City of San Jose		Comprehensive Signal Project VI - signalization of various intersections in City of San Jose.	FAU/Local	1,400		1980-81	1,400
47.	Santa Clara	City of San Jose		Comprehensive Signal Project VII - same as above, Part VII	FAU/Local	1,400		1981-82	1,400

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*EIR = Environmental Impact Report

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN

-SANTA CLARA COUNTY-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
48.	Santa Clara	City of San Jose		Comprehensive Signal Project VIII - signalization of various intersections within the City of San Jose.	FAU/Local	1,800		1982-83	1,800
49.	Santa Clara	City of San Jose		Comprehensive Signal Project IX - signalization of various intersections in the City of San Jose.	FAU/Local	1,000		1983-84	1,000
				TOTAL FEDERAL AID URBAN - SANTA CLARA COUNTY		53,800			53,800

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-SOLANO COUNTY-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
Sol.				Solano County Portion of San Francisco-Oakland Urbanized Area (Vallejo-Benicia)					
1.	Solano	City of Vallejo		Route 141 - construct Interstate 789 extension from Lemon Street to Route 29 to Sonoma Boulevard. (Four lane roadway)	FAU/Local	3,054	8	1980-81 1981-82	3,529
2.	Solano	City of Vallejo		Route 141 - construct Route 141 from Farragut Street to Route 37 (four lane roadway)	FAU/Local	1,620	8	1983-84	2,182
3.	Solano	City of Benicia		"B" Street & East Second Street - provide new streets to serve the proposed Benicia Marina Area.	FAU/Local	900	10	1979-80	963
4.	Solano	City of Benicia		"E" Street - provide new street to connect East Fifth St. to the Central Business District.	FAU/Local	600	10	1979-80	642
F-S				Fairfield-Suisun Urban Area					
1.	Solano	Fairfield		North Texas Street-Air Base Parkway - grade separation: this project will eliminate the existing at-grade intersection.	FAU/Local	500		1979-80	500
2.	Solano	Fairfield		Air Base Parkway - Interstate 80 Interchange: modification of existing interchange by changing two lane overpass to six lanes adding on-and-off-ramps.	FAU/Local	2,310	10	1979-80 1980-81 1981-82	2,982
3.	Solano	City of Suisun		Main Street - reconstruct: (1) Main Street in Suisun City between Main Street and Cordelia Road, and (2) Cordelia Road between Main and School Streets.	FAU/Local	181	10	1980-81	199
4.	Solano	City of Suisun		Sunset Avenue - reconstruct Sunset Avenue between the Suisun city limits and the Southern Pacific Railroad crossing.	FAU/Local	192		1979-80	192
Vac.				Vacaville Urban Area					
1.	Solano	City of Vacaville		Reconstruct center 24 feet between Marshall Road and Jepson Road and bridge at Alamo Creek.	FAU/Local	400		1979-80	400
2.	Solano	City of Vacaville		Farrell Road Bridge - reconstruct existing bridge at Ulatis Creek and widen from two lanes to four lanes.	FAU/Local	142	8	1980-81	165
3.	Solano	City of Vacaville		Signalization of Six Intersections*	FAU/Local	321	8	1981-82	470
4.	Solano	City of Vacaville		Elmira Road - widen Putah Canal Bridge.	FAU/Local	52	8	1982-83	70
				TOTAL FEDERAL AID URBAN - SOLANO COUNTY		10,272			12,294

* Please see geographic listing of Solano County FAU projects for detail of streets involved.

April 1, 1979
MTC Regional Program Priority Listing

Program: FEDERAL AID URBAN

-SONOMA COUNTY-

TRANSPORTATION IMPROVEMENT PROGRAM

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
Petlma				Petaluma Urban Area					
1.	Sonoma	City of Petaluma		East Washington Street - from Lakeville Street northerly to State Route 101 (freeway), 0.66 miles; widening of existing two lane roadway to four lanes.	FAU/Local	978	10	1979-80	1,076 R*
2.	Sonoma	City of Petaluma		Liberty Street - from West Street to Magnolia Avenue, 0.22 miles; extension of existing two lane roadway.	FAU/Local	296	6	1979-80 1980-81 1981-82	313 R
3.	Sonoma	City of Petaluma		Magnolia Street - from Keokuk Street easterly to Petaluma Blvd. north, 0.26 miles: widening of substandard two-lane roadway to full two lanes.	FAU/Local	140	10	1981-82 1982-83	163 R
4.	Sonoma	+GGBHTD		Bus shelters and fringe parking	FAU/Local	225	10	1982-83 1983-84	292
H.U./ S R				Healdsburg Urban Area-Santa Rosa Urbanized Area					
1.	Sonoma	City of Santa Rosa		West College Avenue - widen & reconstruct roadway from two lanes to four lanes. Installation of collection storm drainage, construction of traffic medians between Cleveland Avenue to Link Lane in W. Santa Rosa.	FAU/Local	551	10	1979-80	605
2.	Sonoma	City of Rohnert Park		Rohnert Park Expressway - channelization and signalization at ramp intersection of Rohnert Park Expressway and State Route 101 (freeway).	FAU/Local	300	10	1979-80	330
3.	Sonoma	City of Cotati		West Sierra Avenue - reconstruct existing two lane roadway to provide two full lanes with bicycle lanes and curb and gutter. State Route 101 (freeway) easterly to LaPlaza.	FAU/Local	255	10	1979-80	281
4.	Sonoma	City of Healdsburg		Healdsburg Avenue - upgrade traffic signals @ intersections of Healdsburg Avenue with both Matheson Street & North Street and install new signals at intersections of Matheson Street and Center Street.	FAU/Local	70	10	1979-80	77
5.	Sonoma	City of Santa Rosa		Highway 12 On-Ramp - widen on-ramp from one lane to two lanes west of "E" Street.	FAU/Local	100	10	1979-80	110

(continued on next page)

+ GGBHTD = Golden Gate Bridge, Highway & Transportation District (A public transportation project)

* Right-of-Way Acquisition

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID URBAN
-SONOMA COUNTY-

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
H.U./ S.R.				Healdsburg Urban Area-Santa Rosa Urbanized Area (continued)					
6.	Sonoma	City of Santa Rosa		Highway 12 Left-Turn Lane - widen left turn from one lane to two lanes at intersection with Farmers Lane.	FAU/Local	100	10	1979-80	110
7.	Sonoma	+GGBHTD		Construct additional parking spaces @ existing Piner Road bus facility.	FAU/Local	100	10	1979-80	110
8.	Sonoma			Mendocino Avenue Interchange with State Route 101 (freeway) Modify Old Redwood Highway intersection northbound ramps and signalization.	FAU/Local	928	10	1979-80 1980-81 1981-82	1,121
9.	Sonoma			Rohnert Park Expressway - widening from two lanes to four lanes from State Farm Drive easterly to Snyder Lane.	FAU/Local	400	10	1981-82	532
10.	Sonoma	+GGBHTD		Bus shelters & fringe parking.	FAU/Local	201	10	1981-82 1982-83	284
11.	Sonoma	City of Santa Rosa		Santa Rosa Avenue - widen & reconstruct from two lanes to four lanes from Bellevue Avenue northerly to Yolanda Avenue.	FAU/Local	400	10	1982-83	584
12.	Sonoma	City of Healdsburg		Healdsburg Avenue - widening from 0.35 miles north of Dry Creek Road northerly for one mile.	FAU/Local	200	10	1982-83 1983-84	308
13.	Sonoma	City of Santa Rosa		West College Avenue - widen and reconstruct from two lanes to four lanes from Link Lane westerly to Stony Point Road.	FAU/Local	511	10	1983-84	823
				TOTAL FEDERAL AID URBAN - SONOMA COUNTY		5,755			7,119

+ Golden Gate Bridge, Highway & Transportation District
(A public transportation project)

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID SECONDARY (FAS)

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
Ala				ALAMEDA COUNTY					
1.	Alameda			Stanley Boulevard - Stage 2: improvements	FAS	773		1979-80	773
CC				CONTRA COSTA COUNTY					
1.	Contra Costa			Vasco Road - Camino Diablo to Vasco Road: reconstruct roadway (six miles south)	FAS	650		1979-80	650
2.	Contra Costa			Marsh Creek Road - Summit to Morgan Territory Road: widen.	FAS	450		1980-81	450
3.	Contra Costa			Camino Diablo - Vasco Road to two miles east: widen	FAS	400		1981-82	400
Mrn				MARIN COUNTY					
1.	Marin			Tomales - Petaluma Road - realignment and minor widening along a 1.2 mile portion.	FAS	450		1979-80	450
2.	Marin		3.8	Nicasio Valley Road - widen bridge to improve traffic safety and sight distance.	FAS	100		1979-80	100
SCL				SANTA CLARA COUNTY					
1.	Santa Clara			Santa Teresa - between Manelli Drive and Day Road near Gilroy: reconstruct to standards.	FAS	600		1979-80	600
2.	Santa Clara			Cochran Road Bridge - replacement of bridge and approach road (reconstruction).	FAS	100		1979-80	100
				TOTAL FEDERAL AID SECONDARY (FAS)		3,523			3,523

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: FEDERAL AID SAFER OFF SYSTEM (SOS)

County Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
Ala				ALAMEDA COUNTY					
1.	Alameda			Road projects @ various locations within the county.	SOS/Local	402		1979-80	402
CC				CONTRA COSTA COUNTY					
1.	Contra Costa			Deer Valley Road - bridge replacement and road realignment at Marsh Creek.	SOS/Local	300		1979-80	300
Mrn				MARIN COUNTY					
1.	Marin		25.0	Sir Francis Drake Blvd. - replace box culvert @ Tomales Bay.	SOS/Local	93		1979-80	93
2.	Marin			Indian Valley Road - @ Indian Springs: realign curves for improved traffic safety.	SOS/Local	70		1979-80	70
3.	Marin	Tiburon		Paradise Drive - construct sidewalk along east side of road east of Mar West.	SOS/Local	82		1979-80	82
4.	Marin	Tiburon		Centro East and Mar West - installation of guardrail.	SOS/Local	38		1979-80	38
SF				CITY & COUNTY OF SAN FRANCISCO					
1.	San Francisco	San Francisco		Safety improvements at various locations in the City of San Francisco	SOS/Local	225		1979-80	225
SM				SAN MATEO COUNTY					
1.	San Mateo	Menlo Park		Woodland Avenue - Between Middlefield Road and Pope Street in Menlo Park: guard rail replacement.	SOS/Local	28		1979-80	28
SCL				SANTA CLARA COUNTY					
1.	Santa Clara			Various Locations - guard rail replacement	SOS/Local	70		1979-80	70
				TOTAL SAFER OFF SYSTEM (SOS)		1,308			1,308

TOLL BRIDGE PROGRAM

- Geographic Listing
- Priority Listing

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TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

TOLL BRIDGE PROGRAM

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
REHABILITATION							
HA1 Land and Buildings	Right-of-Way Construction	$ 2,290	$ 4,920	$ 10,420	$ 6,290	$ 7,690	$ 31,610
HA21 Bridge Reconstruction	Right-of-Way Construction	2,900	3,740	810	4,920	2,130	14,500
HA22 Roadway Reconstruction	Right-of-Way Construction	1,540					1,540
HA23 Major Damage Restoration	Right-of-Way Construction						
HA25 Highway Planting Restoration	Right-of-Way Construction						
HA26 Rest Area Restoration	Right-of-Way Contruction						
HA3 Resurfacing	Right-of-Way Construction						
HA4 Protective Betterments	Right-of-Way Construction	910	1,220				2,130
TOTAL REHABILITATION		$ 7,640	$ 9,880	$ 11,230	$ 11,210	$ 9,820	$ 49,780
OPERATIONAL IMPROVEMENTS							
HB1 Safety Improvements	Right-of-Way Construction	$ 220	$	$ 910	$	$	$ 1,130
HB311 Community Noise Attenuation	Right-of-Way Construction						
HB312 School Noise Attenuation	Right-of-Way Construction						
HB32 Highway Planting	Right-of-Way Construction	250					250
HB33 Roadside Rest Areas	Right-of-Way Construction						
HB34 Vista Points and Roadside Enhancement	Right-of-Way Construction						

(continued on next page)

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Program Summary
April 1, 1979

TOLL BRIDGE PROGRAM
(District 4)

PROGRAM		ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	Five Year Total
		(000)	(000)	(000)	(000)	(000)	(000)
OPERATIONAL IMPROVEMENTS (continued)							
HB42 Freeway Congestion Improvements	Right-of-Way Construction	$ 1,420	$ 1,450	$	$	$	$ 2,870
HB43 Freeway Traffic Service	Right-of-Way Construction						
HB44 Conventional Highway/Expressway Operational Improvements	Right-of-Way Construction						
TOTAL OPERATIONAL IMPROVEMENTS		$ 1,890	$ 1,450	$ 910	$ -0-	$ -0-	$ 4,250
NEW FACILITIES							
HE11 New Connections & Cross-Traffic Improvements	Right-of-Way Construction	$	$	$	$	$	$
HE12 Upgraded Facilities	Right-of-Way Construction						
HE13 Lane Additions	Right-of-Way Construction						
HE14 New Highway	Right-of-Way Construction						
HE2 New Toll Bridge Construction	Right-of-Way Construction	11,970	32,870	16,720			61,560
TOTAL NEW FACILITIES		$ 11,970	$ 32,870	$ 16,720	$ -0-	$ -0-	$ 61,560
MB22 - HIGHWAY/GUIDEWAY DECISION RESERVE	Total	-0-	-0-	-0-	-0-	-0-	-0-
TOTAL STATE PROGRAMS		$ 21,500	$ 44,200	$ 28,860	$ 11,210	$ 9,820	$ 115,590
LOCAL ASSISTANCE							
Federal Aid Urban (FAU)	Total	$ -0-	$ -0-	$ -0-	$ -0-	$ -0-	$ -0-
Federal Aid Secondary (FAS)	Total	-0-	-0-	-0-	-0-	-0-	-0-
Federal Aid Safer Off System (SOS)	Total	-0-	-0-	-0-	-0-	-0-	-0-
TOTAL LOCAL ASSISTANCE		$ -0-	$ -0-	$ -0-	$ -0-	$ -0-	$ -0-
PROGRAMS GRAND TOTAL		$ 21,500	$ 44,200	$ 28,860	$ 11,210	$ 9,820	$ 115,590

TRANSPORTATION IMPROVEMENT PROGRAM

TOLL BRIDGE CAPITAL IMPROVEMENTS - ALAMEDA COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
San Francisco-Oakland Bay Bridge																				
(a) 036701 PM 1.2/2.4 HA22 At East Approach: resurface toll plaza and bridge approach.	CALTRANS																			
(b) 026044 PM 1.9/2.0 HA1 Toll Registration and Audit Control (TRAC)	CALTRANS																			
(c) 036901 PM 2.0/2.1 HA1 At Toll Plaza: add toll booth and lane (#18)	CALTRANS																			
(d) 036801 PM 2.0/2.1 HA1 Toll plaza improvements	CALTRANS																			
Dumbarton Bridge																				
(e) 397471 PM 0.4/3.2 HE206 In Fremont, east approach to Dumbarton Bridge: fill.	CALTRANS																			
(f) 033061 PM 0.4/R3.2 HE206 In Fremont, east approach to Dumbarton Bridge: paving.	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				1,079	8	1,160	1,160							C	
(b)				371	8	470			470					C	
(c)				205	8	220	220							C	
(d)				3,122	8	3,630		3,630						C	
(e)				3,200		3,200	3,200							C	
(f)				4,911	8	5,710		5,710						C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

TOLL BRIDGE CAPITAL IMPROVEMENTS - ALAMEDA COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $	
Dumbarton Bridge (continued)																					
(a) 033071 PM R3.2/R6.3 HE206 East approach to Dumbarton Bridge to Route 17: grading and paving.	CALTRANS																				
(b) 033111 PM R3.2 HE206 Toll Collection Equipment	CALTRANS																				
(c) 033041 PM R3.2/R6.3 HE206 East approach to Dumbarton Bridge to Route 17: structures.	CALTRANS																				
(d) 033101 PM R3.2 HE206 Toll plaza structure	CALTRANS																				
TOTAL TOLL BRIDGE CAPITAL IMPROVEMENTS ALAMEDA COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				6,778	8	8,580			8,580					C	
(b)				901	8	1,140			1,140					C	
(c)				12,797	8	14,880		14,880						C	
(d)				1,144	8	1,230	1,230							C	
				34,508		40,220	5,810	24,220	10,190						

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

TOLL BRIDGE CAPITAL IMPROVEMENTS - CONTRA COSTA COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
Richmond-San Rafael Bridge																					
(a) 026014 PM 6.0/6.0 HA1 Install Toll Registration and Audit Control	CALTRANS																				
(b) 037801 PM 6.2/7.8 HA21 Girder span improvements	CALTRANS																				
(c) 037501 PM 6.2/5.9 HA22 @ Toll plaza area: roadway reconstruction; Phase 2	CALTRANS																				
(d) 032911 PM 6.4/7.8 HA21 Cal/OSHA Compliance - Phase 4	CALTRANS																				
(e) 032901 PM 6.4/7.8 HA21 Cal/OSHA Compliance - Phase 3	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				229	8	310				310				C	
(b)				525	8	610		610						C	
(c)				214	8	230	230							C	
(d)				517	8	760					760			C	
(e)				518	8	700				700				C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

TOLL BRIDGE CAPITAL IMPROVEMENTS - CONTRA COSTA COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
Carquinez Strait Bridges																					
(a) 038401 PM 13.6/14.2 HA21 At the West Carquinez Bridge: OSHA Compliance - Phase IV	CALTRANS																				
(b) 026074 PM 13.7/14.1 HA1 At the Carquinez Bridge: Install Toll Registration and Audit Control	CALTRANS																				
(c) 030601 PM 13.8/14.1 HA21 At West Carquinez Bridge: Deck replacement - West Bridge	CALTRANS																				
(d) 030101 PM 13.8/14.1 HA1 On Carquinez East Bridge: OSHA Compliance, Phase II	CALTRANS																				
(e) 032001 PM 13.8/14.1 HA21 At the Carquinez Bridge: fender renovation - Piers 2 and 4	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				419	8	450	450							C	
(b)				207	8	280				280				C	
(c)				1,565	8	1,820		1,820						C	
(d)				542	8	630		630						C	
(e)				932	8	1,370					1,370			C	

( ) FEDERAL AMOUNT

TOLL BRIDGE CAPITAL IMPROVEMENTS - CONTRA COSTA COUNTY (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
Antioch Bridge																					
(a) 026034 PM 11.3 HA1 Install Toll Registration and Audit Control	CALTRANS																				
Benicia-Martinez Bridge																					
(b) 396541 PM 25.0/25.5 HA4 Install earthquake restrainers.	CALTRANS																				
(c) 026084 PM 25.0/25.5 HA1 Install Toll Registration and Audit Control	CALTRANS																				
(d) 023301 PM 25.0/25.7 HA21 OSHA Compliance - Phase I	CALTRANS																				
(e) 038701 PM 25.0/25.7 HA1 Off-Deck Maintenance Access System	CALTRANS																				
(f) 029301 PM 25.0/25.2 HA1 Provide approach span scaffolds.	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				155	8	210				210				C	
(b)				539	8	580	580							C	
(c)				207	8	280				280				C	
(d)				512	7	550	550							C	
(e)				514	8	650			650					C	
(f)				205	8	220	220							C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

TOLL BRIDGE CAPITAL IMPROVEMENTS - CONTRA COSTA COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
Benicia-Martinez Bridge (continued)																					
(a) 030701 PM 25.0/25.5 HA1 @ the Benicia-Martinez Bridge Toll Plaza: relocate toll plaza.	CALTRANS																				
(b) 033801 PM 25.0/25.7 HA21 OSHA Compliance - Phase II	CALTRANS																				
(c) 038201 PM 25.2/25.9 HA4 Install energy absorption systems	CALTRANS																				
(d) TBA212 PM 0.0 HA21 Bridge Reconstruction - lump sum/minor program	CALTRANS																				
(e) TBA122 PM 0.1 HA1 Maintenance of lands and buildings: lump sum/minor program	CALTRANS																				
TOTAL TOLL BRIDGE CAPITAL IMPROVEMENTS - CONTRA COSTA COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				6,178	8	7,820			7,820					C	
(b)				525	8	610		610						C	
(c)				525	8	610		610						C	
(d)				206	8	240		240						C	
(e)				180	8	210		210						C	
				15,414		19,140	2,030	4,730	8,470	1,780	2,130				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

TOLL BRIDGE CAPITAL IMPROVEMENTS
CITY AND COUNTY OF SAN FRANCISCO
(District 4)

PROJECT DESCRIPTION		LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	TRANSIT MANAGEMENT: PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
San Francisco-Oakland Bay Bridge																					
(a) 038501 PM 4.9/8.9 Replace electric cables	HA1	CALTRANS																			
(b) 030301 PM 4.9/8.9 Phase II - Traveler Rails and Support	HA1	CALTRANS																			
(c) 031301 PM 4.9/8.9 Upper Deck Corrosion Protection	HA4	CALTRANS																			
(d) 030801 PM 5.0/6.6 Traffic Management System - Phase I	HB42	CALTRANS																			
(e) 026911 PM 5.5/8.8 Maintenance Travelway System - Phase II (East Bay)	HA1	CALTRANS																			
(f) 026901 PM 5.5/8.8 Maintenance Travelway System - Phase I (East Bay)	HA1	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				514	8	650			650					C	
(b)				781	8	840	840							C	
(c)				525	8	610		610						C	
(d)				1,293	8	1,390	1,390							C	
(e)				3,822	8	5,620					5,620			C	
(f)				3,123	8	4,220				4,220				C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

TOLL BRIDGE CAPITAL IMPROVEMENTS CITY & COUNTY OF SAN FRANCISCO (continued) (District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT: EFFICIENT USE OF FACILITIES: TRAFFIC OPERATIONS AND PARKING	EFFICIENT USE OF FACILITIES: PREFERENTIAL TREATMENT	EFFICIENT USE OF FACILITIES: NON MOTORIZED MODES	EFFICIENT USE OF FACILITIES: SHIFTS IN TRAVEL PATTERNS	REDUCED AUTO USE: RIDE SHARING PROGRAMS	REDUCED AUTO USE: OPERATING RESTRICTIONS & PRICING	TRANSIT SERVICE IMPROVEMENTS: IMPROVE EXISTING SERVICE	TRANSIT SERVICE IMPROVEMENTS: ESTABLISH NEW SERVICE	TRANSIT SERVICE IMPROVEMENTS: FARE COLLECTION & PASSENGER AMENITIES	TRANSIT SERVICE IMPROVEMENTS: PARK & RIDE	TRANSIT MANAGEMENT: PLANNING MARKETING & ADMINISTRATION	TRANSIT MANAGEMENT: IMPROVED MAINTENANCE	TRANSIT MANAGEMENT: COMMUNICATIONS & SURVEILLANCE	ELDERLY & HANDICAPPED	LONG RANGE ELEMENT: MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	LONG RANGE ELEMENT: REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	LONG RANGE ELEMENT: SPECIAL PROJECT	LONG RANGE ELEMENT: MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	LONG RANGE ELEMENT: MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
San Francisco-Oakland Bay Bridge (continued)																					
(a) 029101 PM 5.5/8.9 HA1 Air compressor replacement	CALTRANS																				
(b) 038601 PM 5.6/8.9 HA21 Traveler Safety Hanger & Braking System	CALTRANS																				
(c) 029901 PM 5.7/6.8 HA21 Maintenance Facility & Safety	CALTRANS																				
(d) 030811 PM 5.7/8.8 HB42 Traffic Management System - Phase II	CALTRANS																				
(e) 026601 PM 5.9/7.6 HA1 Main and Suspender Cable Access	CALTRANS																				
(f) 026801 PM 6.0/7.4 HA1 West Bay Towers Scaffolds	CALTRANS																				
(g) 030401 PM 7.7/7.8 HA21 @ Yerba Buena Island: Tunnel lighting improvements.	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				288	8	310	310							C	
(b)				232	8	270		270						C	
(c)				725	8	780	780							C	
(d)				1,247	8	1,450		1,450						C	
(e)				363	8	490				490				C	
(f)				419	8	450	450							C	
(g)				308	8	390			390					C	

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

TOLL BRIDGE CAPITAL IMPROVEMENTS CITY & COUNTY OF SAN FRANCISCO (continued) (District 4) PROJECT DESCRIPTION		LEAD AGENCY	TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
			EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
			TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
San Francisco-Oakland Bay Bridge (continued)																					
(a) 026701 PM 8.0/8.8 @ East Bay: Thuss webb scaffold access	HA21	CALTRANS																			
Lump Sum/Minor Programs																					
(b) TBA125 Maintenance of Lands & Buildings PM 1.0	HA1	CALTRANS																			
(c) TBA215 Bridge Reconstruction	HA21	CALTRANS																			
(d) TBA225 Roadway Reconstruction PM 2.0	HA22	CALTRANS																			
(e) TBB105 Safety Improvements	HB1	CALTRANS																			
(f) TBB425 Freeway Congestion Improvements PM 12.0	HB42	CALTRANS																			
TOTAL TOLL BRIDGE CAPITAL IMPROVEMENTS CITY AND COUNTY OF SAN FRANCISCO																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				411	8	520			520					C	
(b)					8	3,200	130		500	500	2,070			C	
(c)					8	100		100						C	
(d)				140	8	150	150							C	
(e)					8	30	30							C	
(f)				28	8	30	30							C	
				14,219		21,500	4,100	2,430	2,060	5,210	7,690				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

TOLL BRIDGE CAPITAL IMPROVEMENTS - MARIN COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) TBA213 PM 0.0 HA21 Bridge Reconstruction - Lump Sum/Minor Program	CALTRANS																				
(b) TBA403 PM 12.0 HA4 Protective Betterments - Lump Sum/Minor Program	CALTRANS																				
TOTAL TOLL BRIDGE CAPITAL IMPROVEMENTS - MARIN COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				77	8	90		90						C	
(b)				140	8	150	150							C	
				217		240	150	90							

) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

TOLL BRIDGE CAPITAL IMPROVEMENTS - SAN MATEO COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
Dumbarton Bridge (a) 033081 PM R25.6/30.2 HE206 Route 101 in San Mateo County to Route 17 in Alameda County: highway planting.	CALTRANS																				
(b) 033021 PM R25.7/27.5 HE206 @ the Dumbarton Bridge: grading and paving.	CALTRANS																				
(c) 033161 PM 26.7/27.5 HE206 Route 101 to Southern Pacific Transportation Company Grade Crossing: four lane conventional highway.	CALTRANS																				
(d) 033001 PM 26.7/28.0 HE206 East of Willow Road Interchange: drainage.	CALTRANS																				
(e) 397461 PM 27.5/29.0 HE206 Route 101 to West Approach to Dumbarton Bridge: grading and paving.	CALTRANS																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				1,525	8	1,930			1,930					C	
(b)				1,000		1,000	1,000							R	
				6,097	8	7,090		7,090						C	
				7,097		8,090	1,000	7,090						T	
(c)				1,238	8	1,440		1,440						C	
(d)				2,576	8	2,770	2,770							C	
(e)				4,436	8	4,770	4,770							C	

( ) FEDERAL AMOUNT

TOLL BRIDGE CAPITAL IMPROVEMENTS - SAN MATEO COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
Dumbarton Bridge (continued)																				
(a) 033121 PM 27.5/30.1 HE206 Electrical installations on Bridge	CALTRANS																			
(b) 033051 PM R27.6/28.2 HE206 Route 101 to West Approach to Dumbarton Bridge: grading and paving.	CALTRANS																			
(c) 033151 PM 29.3/30.1 HE206 At New Dumbarton Bridge: Construction maintenance building	CALTRANS																			
(d) 033141 PM 29.3/30.1 HE206 Metal Railings - on bridge	CALTRANS																			
(e) 033031 PM 29.4/29.8 HE206 At the West & East Ends of Existing Bridge: trestle renovation	CALTRANS																			
(f) 033131 PM 29.7/30.2 HE206 At the Dumbarton Bridge: bridge removal	CALTRANS																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				318	8	370		370						C	
(b)				1,754	8	2,040		2,040						C	
(c)				413	8	480		480						C	
(d)				740	8	860		860						C	
(e)				616	8	780			780					C	
(f)				3,389	8	4,290			4,290					C	

( ) FEDERAL AMOUNT

TOLL BRIDGE CAPITAL IMPROVEMENTS - SAN MATEO COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
San Mateo-Hayward Bridge																					
(a) 026054 PM R2.6 HA1 Install Toll Registration and Audit Control	CALTRANS																				
(b) 031701 PM 14.4/16.4 HA21 Corrosion repairs and protection	CALTRANS																				
(c) 031101 PM R14.9/15.9 HB1 Resurface trestle roadway @ Bridge	CALTRANS																				
(d) 031801 PM R16.3/R18.8 HA21 Repaint trestle pilings, caps	CALTRANS																				
Lump Sum/Minor Programs																					
(e) TBA126 PM 0.0 HA1 Maintenance of lands and buildings	CALTRANS																				
(f) TBA406 PM 12.0 HA4 Protective betterments	CALTRANS																				
(g) TBB106 PM 0.0 HB1 Safety improvements	CALTRANS																				
TOTAL TOLL BRIDGE CAPITAL IMPROVEMENTS - SAN MATEO COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				261	8	330			330					C	
(b)				1,042	8	1,120	1,120							C	
(c)				719	8	910			910					C	
(d)				3,123	8	4,220				4,220				C	
(e)					8	570	120	450						C	
(f)				167	8	180	180							C	
(g)				177	8	190	190							C	
				29,591		35,340	10,150	12,730	8,240	4,220					

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

TOLL BRIDGE CAPITAL IMPROVEMENTS - SOLANO COUNTY (District 10)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) 265801 PM 0.6/1.8 HB32 Industrial Park Viad; North of Route 780: Highway Planting	CALTRANS																				
TOTAL TOLL BRIDGE CAPITAL IMPROVEMENTS - SOLANO COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)				233	8	250	250							C To be funded by $250 in bond money.	
				233		250	250								

( ) FEDERAL AMOUNT

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HA 1 - Lands, Buildings & Facilities Improvement
-Toll Bridge-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Alameda	80	2.0	036901 0015C At San Francisco-Oakland Bay Bridge Toll Plaza: Add toll booth and lane (#18)	TBF	204	8	1979-80	220 C
2.	San Francisco	80	5.5	029101 0083E On San Francisco-Oakland Bay Bridge: air compressor replacement-Var. substation.	TBF	288	8	1979-80	310 C
3.	San Francisco	80	4.9	030301 0083A San Francisco-Oakland Bay Bridge: Phase II - Traveler Rails and Support.	TBF	781	8	1979-80	840 C
4.	Contra Costa	680	25.0	029301 0064F On the Benicia-Martinez Bridge: provide approach span acaffolds.	TBF	204	8	1979-80	220 C
5.	San Francisco	80	6.1	026801 0084D On the San Francisco-Oakland Bay Bridge: West Bay towers scaffolds.	TBF	418	8	1979-80	450 C
6.	Contra Costa	80	13.8	030101 0059E On Carquinez East Bridge: OSHA Compliance - Phase II.	TBF	541	8	1980-81	630 C
7.	Alameda	80	2.0	036801 0015D At San Francisco-Oakland Bay Bridge: toll plaza improvements.	TBF	3,121	8	1980-81	3,630 C
8.	San Francisco	80	4.9	038501 0082G On San Francisco-Oakland Bay Bridge: replace electric cables.	TBF	513	8	1981-82	650 C
9.	Alameda	80	1.9	026044 0015B At San Francisco-Oakland Bay Bridge: Toll Registration and Audit Control.	TBF	371	8	1981-82	470 C
10.	San Mateo	92	2.6R	026054 0093G At the San Mateo-Hayward Bridge: Toll Registration and Audit Control.	TBF	260	8	1981-82	330 C
11.	Contra Costa	680	25.0	030701 0065I At the Benicia-Martinez Bridge Toll Plaza: relocate toll plaza.	TBF	6,177	8	1981-82	7,820 C
12.	Contra Costa	680	25.0	038701 0064E At the Benicia-Martinez Bridge: Off-Deck Maintenance Access System.	TBF	513	8	1981-82	650 C
13.	San Francisco	80	5.5	026901 0082D On the San Francisco-Oakland Bay Bridge: East Bay, Phase I - Maintenance Travelway System.	TBF	3,122	8	1982-83	4,220 C
14.	Contra Costa	80	13.7	026074 0059A At the Carquinez Bridge: Toll Registration and Audit Control.	TBF	207	8	1982-83	280 C
15.	Contra Costa	17	6.0	026014 0043A On the Richmond-San Rafael Bridge: Toll Registration and Audit Control.	TBF	229	8	1982-83	310 C
16.	Contra Costa	680	25.0	026084 0064C On the Benicia-Martinez Bridge: Toll Registration and Audit Control.	TBF	207	8	1982-83	280 C

(continued on next page)

*TBF = Toll Bridge Revenues

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HA 1 - Lands, Buildings & Facilities Improvement
-Toll Bridge-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	* Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
17.	Contra Costa	84	11.3	026034 On the Antioch Bridge: 0063H Toll Registration and Audit Control.	TBF	155	8	1982-83	210 C
18.	San Francisco	80	5.9	026601 On the San Francisco-Oakland Bay Bridge: 0084C main and suspender cable access.	TBF	362	8	1982-83	490 C
19.	San Francisco	80	5.5	026911 On San Francisco-Oakland Bay Bridge: 0082C East Bay - Phase II - Maintenance Travelway System	TBF	3,821	8	1983-84	5,620 C
				TOTAL HA 1 - LANDS, BUILDINGS AND FACILITIES IMPROVEMENT -TOLL BRIDGE PROGRAM-		21,494			27,630

* TBF = Toll Bridge Revenues.

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HA 21 - Bridge Reconstruction
-Toll Bridge-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Contra Costa	680	25.0	023301 0064D At the Benicia-Martinez Bridge: OSHA Compliance - Phase I.	TBF	511	7	1979-80	550 C
2.	San Mateo	92	14.4	031701 0095C On the San Mateo-Hayward Bridge: corrosion repairs and protection.	TBF	1,041	8	1979-80	1,120 C
3.	San Francisco	80	5.7	029901 0082F On San Francisco-Oakland Bay Bridge: maintenance facility and safety.	TBF	725	8	1979-80	780 C
4.	Contra Costa	80	13.6	038401 0060E At the West Carquinez Bridge: OSHA Compliance - Phase IV.	TBF	418	8	1979-80	450 C
5.	Contra Costa	80	13.8	030601 0059B West Carquinez Bridge: deck replacement- west bridge.	TBF	1,565	8	1980-81	1,820 C
6.	Contra Costa	17	6.2	037801 0045A On the Richmond-San Rafael Bridge: girder span improvements.	TBF	524	8	1980-81	610 C
7.	San Francisco	80	5.6	038601 0082E San Francisco-Oakland Bay Bridge: traveler safety hanger and braking system.	TBF	232	8	1980-81	270 C
8.	Contra Costa	680	25.0	033801 0065J At the Benćia-Martinez Bridge: OSHA Compliance - Phase II.	TBF	524	8	1980-81	610 C
9.	San Francisco	80	8.0	026701 0084G San Francisco-Oakland Bay Bridge: East Bay truss webb scaffold access	TBF	410	8	1981-82	520 C
10.	San Francisco	80	7.7	030401 0084E On San Francisco-Oakland Bay Bridge: Yerba Buena Island - tunnel lighting improvements.	TBF	308	8	1981-82	390 C
11.	San Mateo	92	16.3R	031801 0095H On the San Mateo-Hayward Bridge: repaint trestle piling, caps.	TBF	3,122	8	1982-83	4,220 C
12.	Contra Costa	80	14.0	031901 0062D At the Carquinez Bridges: Pier 3 fender renovation.	TBF	732	8	1982-83	990 C
13.	Contra Costa	17	6.4	032901 0044K Richmond-San Rafael Bridge: Cal/OSHA Compliance - Phase 3.	TBF	518	8	1982-83	700 C
14.	Contra Costa	80	13.8	032001 0060I At the Carquinez Bridges: fender renovation - Piers 2 and 4.	TBF	931	8	1983-84	1,370 C
15.	Contra Costa	17	6.4	032911 0044J Richmond-San Rafael Bridge: Cal/OSHA Compliance - Phase 4.	TBF	516	8	1983-84	760 C
				TOTAL HA 21 - BRIDGE RECONSTRUCTION -TOLL BRIDGE PROGRAM-		12,077			15,160

*TBF = Toll Bridge Revenues

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HA 22 - Roadway Reconstruction & Restoration
-Toll Bridge-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	* Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Contra Costa	17	6.2	037501 0046A Richmond-San Rafael Bridge Toll Plaza Area: roadway reconstruction - TSM Phase 2.	TBF	213	8	1979-80	230 C
2.	Alameda	80	1.2	036701 0015A At San Francisco-Oakland Bay Bridge East Approach: resurface toll plaza and bridge approach.	TBF	1,078	8	1979-80	1,160 C
				TOTAL HA 22 - ROADWAY RECONSTRUCTION AND RESTORATION -TOLL BRIDGE PROGRAM-		1,291			1,390

* TBF = Toll Bridge Revenues

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HA 4 - Protective Betterments
-Toll Bridge-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Contra Costa	680	25.0	396541 0064B At the Benicia-Martinez Bridge: install earthquake restrainers.	TBF	539	8	1979-80	580 C
2.	Contra Costa	680	25.2	038201 0064G On the Benicia-Martinez Bridge: install energy absorption systems.	TBF	524	8	1980-81	610 C
3.	San Francisco	80	4.9	031301 0083B On San Francisco-Oakland Bay Bridge: upper deck corrosion protection.	TBF	524	8	1980-81	610 C
				TOTAL HA 4 - PROTECTIVE BETTERMENTS -TOLL BRIDGE PROGRAM-		1,587			1,800

* TBF = Toll Bridge Revenues

April 1, 1979
MTC Regional Program Priority Listing

Program: HB 1 - Safety Improvements
-Toll Bridge-

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	San Mateo	92	14.9R	031101 0095G At the San Mateo-Hayward Bridge: resurface trestle roadway.	TBF	718	8	1981-82	910 C
				TOTAL HB 1 - SAFETY IMPROVEMENTS -TOLL BRIDGE PROGRAM-		718			910

* TBF = Toll Bridge Revenues

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HB 32 - Highway Planting
-Toll Bridge-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	* Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Solano	680	0.6	265801 0017J Industrial Park Viad: north of Route 780, to be funded by $250 in bond monies; highway planting.	TBF	232	8	1979-80	250 C
				TOTAL HB 32 - HIGHWAY PLANTING -TOLL BRIDGE PROGRAM-		232			250

* TBF = Toll Bridge Revenues

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HB 42 - Freeway Congestion Relief Project
-Toll Bridge-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	* Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	San Francisco	80	5.0	030801 0083G On the San Francisco-Oakland Bay Bridge: traffic management system - Phase I.	TBF	1,292	8	1979-80	1,390 C
2.	San Francisco	80	5.7	030811 0084B On San Francisco-Oakland Bay Bridge: traffic management system - Phase II.	TBF	1,247	8	1980-81	1,450 C
				TOTAL HB 42 - FREEWAY CONGESTION RELIEF -TOLL BRIDGE PROGRAM-		2,539			2,840

* TBF = Toll Bridge Revenues

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HE 2 - New Toll Bridge Construction
-Toll Bridge-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION		*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
1.	Alameda	84	0.4	397471 0019F	In Fremont, East approach to Dumbarton Bridge: fill.	TBF	3,200	-	1979-80	3,200 C
2.	San Mateo	84	26.7	033001 0081C	East of Willow Road Interchange: drainage.	TBF	2,576	8	1979-80	2,770 C
3.	San Mateo	84	27.5	397461 0081E	Route 101 to West approach to Dumbarton Bridge: grading and paving.	TBF	4,436	8	1979-80	4,770 C
4.	Alameda	84	3.2R	033101 0019K	At the Dumbarton Bridge: toll plaza structure	TBF	1,143	8	1979-80	1,230 C
5.	Alameda	84	0.4	033061 0019G	In Fremont, east approach to Dumbarton Bridge: paving.	TBF	4,910	8	1980-81	5,710 C
6.	San Mateo	84	26.7	033161 0080B	Route 101 to Southern Pacific grade crossing: four lane conventional highway.	TBF	1,238	8	1980-81	1,440 C
7.	San Mateo	84	25.7R	033021 0081A	At the Dumbarton Bridge: grading and paving.	TBF	6,097	8	1980-81	1,000 R 7,090 C 8,090 T
8.	San Mateo	84	27.6R	033051 0081F	Route 101 to West approach to Dumbarton Bridge: grading and paving.	TBF	1,754	8	1980-81	2,040 C
9.	Alameda	84	3.2R	033041 0019J	Each approach to Dumbarton Bridge to Route 17: structures.	TBF	12,796	8	1980-81	14,880 C
10.	San Mateo/ Alameda	84	27.5	033121 0093C	On Dumbarton Bridge: electrical installations.	TBF	318	8	1980-81	370 C
11.	San Mateo	84	29.3	033141 0093D	On Dumbarton Bridge: metal railings.	TBF	739	8	1980-81	860 C
12.	San Mateo/ Alameda	84	29.3	033151 0088C	At New Dumbarton Bridge: construction maintenance building.	TBF	413	8	1980-81	480 C
13.	Alameda	84	3.2R	033071 0019M	East Approach to Dumbarton Bridge to Route 17: grading and paving.	TBF	6,778	8	1981-82	8,580 C
14.	San Mateo	84	25.6R	033081 0088D	Route 101 in San Mateo County to Route 17 in Alameda County: highway planting	TBF	1,524	8	1981-82	1,930 C
15.	San Mateo/ Alameda	84	29.7	033131 0081I	At Dumbarton Bridge: bridge removal.	TBF	3,889	8	1981-82	4,290 C

(continued on next page)

*TBF = Toll Bridge Revenues

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

Program: HE 2 - New Toll Bridge Construction
-Toll Bridge-

MTC Priority Number	County	Rte	Post Miles	PROJECT DESCRIPTION	*Funding Source	1/79 Cost (000)	Escl Rate	Fiscal Year Schedule (Right-of-Way & Construction)	Escalated Cost (000)
16.	Alameda	84	3.2R	033111 0019I At the Dumbarton Bridge: toll collection equipment.	TBF	900	8	1981-82	1,140 C
17.	San Mateo/ Alameda	84	29.4 0.1	033031 0093A At the west and east ends of the existing Dumbarton Bridge: trestle renovation.	TBF	616	8	1981-82	780 C
				TOTAL HE 2 - NEW TOLL BRIDGE CONSTRUCTION -TOLL BRIDGE PROGRAM-		53,327			62,560

AERONAUTICS PROGRAM

- Geographic Listing
- Priority Listing

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TRANSPORTATION IMPROVEMENT PROGRAM

CALIFORNIA AID TO AIRPORTS PROGRAM - ALAMEDA COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT														ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE			MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Hayward Airport Reconstruct runway & taxiway lights.	City of Hayward																				
(b) Livermore Airport Land acquisition (East clear zone and approach area)	City of Livermore																				
(c) Livermore Airport Land acquisition (West clear zone)	City of Livermore																				
(d) Livermore Airport Land acqusition (South Side Airfield Development)	City of Livermore																				
(e) Metropolitan Oakland Airport Overlay Aircraft Parking Ramps	Port of Oakland																				
(f) Hayward Airport East Side Taxiway Drainage	City of Hayward																				
(g) Livermore Airport Northwest Apron Expansion	City of Livermore																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)		72	8	80		80	80								
(b)	134	17	17	168		168	168 (134)								
(c)	196	25	25	246		246	246 (196)								
(d)		110	12	122		122	122								
(e)		360	40	400	8	470	100	108		126	186				
(f)		77	9	86	8	92		92							
(g)	163	21	21	205	8	221		221 (177)							

( ) FEDERAL AMOUNT

CALIFORNIA AID TO AIRPORTS PROGRAM - ALAMEDA COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Livermore Airport Northeast Apron Taxiway Extension	City of Livermore																			
(b) Livermore Airport Construct parallel runway and connecting taxiways	City of Livermore																			
(c) Metropolitan Oakland Airport Construct New Tiedown Aprons & Utilities	Port of Oakland																			
(d) Hayward Airport Construct High Speed Turnoffs.	City of Hayward																			
TOTAL CALIFORNIA AID TO AIRPORTS PROGRAM - ALAMEDA COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	81	10	10	101	8	109		109 (88)							
(b)	185	23	23	231	8	269			269 (216)						
(c)	480	60	60	600	8	698			698 (559)						
(d)	253	32	32	317	8	431					431 (345)				
	1,492	807	257	2,556		2,906	716 (330)	530 (265)	967 (775)	126 -	567 (345)				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

CALIFORNIA AID TO AIRPORTS PROGRAM - CONTRA COSTA COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING, MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Buchanan Airport Acquire Approach Protection (Runway 14R & 14L)	Contra Costa County																				
(b) Buchanan Airport Strengthen Taxiway C	Contra Costa County																				
(c) New Reliever Airport - Land Acquisition	Contra Costa County																				
(d) New Reliever Airport Construct runway and taxiway.	Contra Costa County																				
(e) Buchanan Airport Construct runway 19-R Safety Area	Contra Costa County																				
(f) Buchanan Airport - Construct Holding Aprons	Contra Costa Co.																				
(g) Buchanan Airport - Install Taxiway E & J Lighting	Contra Costa County																				
(h) Buchanan Airport Install noise monitoring system.	Contra Costa County																				
TOTAL CALIFORNIA AID TO AIRPORTS PROJECTS-CONTRA COSTA COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	840	105	105	1,050		1,050	1,050 (840)								
(b)		22	3	25		25	25								
(c)	997	125	125	1,247		1,247	1,247 (997)								
(d)	987	10	10	1,007	8	1,130		544 (489)	536 (528)						
(e)		27	3	30	8	35			35						
(f)	40	5	5	50	8	58			58 (46)						
(g)	68	9	9	86	8	107				107 (86)					
(h)		90	10	100	8	136					136				
	2,932	393	270	3,595		3,788	2,322 (1,837)	544 (489)	679 (574)	107 (86)	136 --				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

CALIFORNIA AID TO AIRPORTS PROGRAM - MARIN COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Gnoss Airport - Expand Tiedown Apron	Marin County																			
(b) Gnoss Airport - Reprofile Runway & Taxiway	Marin County																			
(c) Gnoss Airport Land Acquisition (Cross wind runway and clear zone)	Marin County																			
(d) Gnoss Airport Site preparation for Crosswind Runway/Taxiway	Marin County																			
TOTAL CALIFORNIA AID TO AIRPORTS PROGRAM - MARIN COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	96	12	12	120		120	120 (96)								
(b)	180	23	23	226		226	226 (180)								
(c)	904	113	113	1,130	8	1,424				1,424 (1,140)					
(d)	300	38	38	376	8	510					510 (408)				
	1,480	186	186	1,852		2,280	346 (276)	-	-	1,424 (1,140)	510 (408)				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

CALIFORNIA AID TO AIRPORTS PROGRAM - NAPA COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT					
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT									
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)	
(a) Napa County Airport Acquire approach area (east side)	Napa County																				
(b) Napa County Airport Reconstruct aircraft parking apron	Napa County																				
(c) Napa County Airport Acquire land for future airport development.	Napa County																				
(d) Napa County Airport Extend taxiway and add runup apron	Napa County																				
(e) Napa County Airport Construct additional aircraft parking.	Napa County																				
(f) Napa County Airport Construct apron taxiway.	Napa County																				
TOTAL CALIFORNIA AID TO AIRPORTS PROGRAM - NAPA COUNTY																					

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	317	40	40	397		397	397 (317)								
(b)		32	4	36		36	36								
(c)	180	23	23	226	8	243		243 (194)							
(d)	141	18	18	177	8	205			205 (164)						
(e)		135	15	150	8	175			175						
(f)		36	4	40	8	50				50					
	638	284	104	1,026		1,106	433 (317)	243 (194)	380 (164)	50	--				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

CALIFORNIA AID TO AIRPORTS PROGRAM - SAN MATEO COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) San Carlos Airport Acquire lane (Piombo #1)	San Mateo Co																			
(b) San Carlos Airport Construct aircraft parking (Piombo #1)	San Mateo Co																			
(c) San Carlos Airport Overlay runway and taxiway.	San Mateo Co																			
(d) San Carlos Airport Extend runway	San Mateo Co																			
(e) San Carlos Airport Acquire additional approach area	San Mateo Co																			
(f) San Carlos Airport Construct additional aircraft parking (Parcel #2)	San Mateo Co																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	360	45	45	450		450	450 (360)								
(b)	88	11	11	110	8	119		119 (95)							
(c)		135	15	150	8	162		162							
(d)	269	34	34	337	8	363		363 (269)							
(e)	160	20	20	200	8	233			233 (186)						
(f)	240	30	30	300	8	349			349 (279)						

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

CALIFORNIA AID TO AIRPORTS PROGRAM - SAN MATEO COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Half Moon Bay Airport Displace runway thresholds	San Mateo Co																			
(b) Half Moon Bay Airport Construct new tiedowns #2	San Mateo Co																			
(c) Half Moon Bay Airport Construct new transient tiedowns	San Mateo Co																			
TOTAL CALIFORNIA AID TO AIRPORTS PROGRAM - SAN MATEO COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)		14	2	16		16		16							
(b)	32	4	4	40	8	47			47 (37)						
(c)	16	2	2	20		25			25 (20)						
	1,165	295	163	1,623		1,764	450 (360)	660 (364)	654 (522)						

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

CALIFORNIA AID TO AIRPORTS PROGRAM - SANTA CLARA COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Palo Alto Airport Resurface taxiway and apron	Santa Clara County																			
(b) South County Airport Construct new runway and lights	Santa Clara County																			
(c) South County Airport Construct new aircraft parking (West Tiedown)	Santa Clara County																			
(d) San Jose Municipal Airport Runway 29 widening, extension and lighting.	City of San Jose																			
(e) Palo Alto Airport Reconstruct existing levee	Santa Clara County																			
(f) South County Construct new aircraft parking (South Tiedown)	Santa Clara County																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)		270	30	300	8	324		324							
(b)	400	50	50	500	8	540		540 (432)							
(c)	720	90	90	900	8	1,091			524 (419)	567 (454)					
(d)	640	80	80	800	8	931			931 (745)						
(e)	384	48	48	480	8	605				605 (483)					
(f)	1,280	160	160	1,600	8	2,096				1,008 (306)	1,088 (870)				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

CALIFORNIA AID TO AIRPORTS PROGRAM - SANTA CLARA COUNTY (continued)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
(District 4) PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) San Jose Municipal Airport Construct new aircraft parking apron (partial)	City of San Jose																			
(b) Palo Alto Airport Construct new east runway, taxiway and ramp	Santa Clara County																			
(c) San Jose Municipal Airport Taxiway extension and lighting (partial)	City of San Jose																			
TOTAL CALIFORNIA AID TO AIRPORTS PROGRAM - SANTA CLARA COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	160	20	20	200	8	252				252 (202)					
(b)	464	58	58	580	8	748					748 (599)				
(c)	529	66	68	661	8	900					900 (720)			Remainder of Project programmed in FY 1984-85.	
	4,577	842	602	6,021		7,487	--	864 (432)	1,455 (1,164)	2,432 (1,945)	2,736 (2,189)				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

CALIFORNIA AID TO AIRPORTS PROGRAM - SOLANO COUNTY (District 10)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT													ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT								
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVE. PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Nut Tree Airport Land acquisition (North approach)	Solano County																			
(b) Nut Tree Airport South Aircraft parking apron extension.	Solano County																			
(c) Nut Tree Airport Creek relocation and culvert	Solano County																			
(d) Nut Tree Airport Construct parallel taxiway	Solano County																			
TOTAL CALIFORNIA AID TO AIRPORTS - SOLANO COUNTY																				

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)	132	17	17	166	8	178		178 (143)							
(b)	71	9	9	89	8	103			103 (83)						
(c)	51	6	6	63	8	80				80 (64)					
(d)	93	12	12	117	8	157					157 (126)				
	347	44	44	435		518		178 (143)	103 (83)	80 (64)	157 (126)				

( ) FEDERAL AMOUNT

TRANSPORTATION IMPROVEMENT PROGRAM

CALIFORNIA AID TO AIRPORTS PROGRAM - SONOMA COUNTY (District 4)		TRANSPORTATION SYSTEMS MANAGEMENT ELEMENT												ELDERLY & HANDICAPPED	LONG RANGE ELEMENT				
		EFFICIENT USE OF FACILITIES				REDUCED AUTO USE		TRANSIT SERVICE IMPROVEMENTS				TRANSIT MANAGEMENT							
PROJECT DESCRIPTION	LEAD AGENCY	TRAFFIC OPERATIONS AND PARKING	PREFERENTIAL TREATMENT	NON MOTORIZED MODES	SHIFTS IN TRAVEL PATTERNS	RIDE SHARING PROGRAMS	OPERATING RESTRICTIONS & PRICING	IMPROVE EXISTING SERVICE	ESTABLISH NEW SERVICE	FARE COLLECTION & PASSENGER AMENITIES	PARK & RIDE	PLANNING MARKETING & ADMINISTRATION	IMPROVED MAINTENANCE	COMMUNICATIONS & SURVEILLANCE		MAJOR TRANSIT SYSTEM CAPITAL IMPROVEMENT	REPLACEMENT & MAINTENANCE OF VEHICLES & FACILITIES	SPECIAL PROJECT	MAJOR HIGHWAY CAPITAL IMPROVEMENT (over ½ million $)	MINOR HIGHWAY CAPITAL IMPROVEMENT (less than ½ million $)
(a) Sonoma County Airport Remove obstructions	Sonoma County																		
(b) Sonoma County Airport Construct new runway, taxiway and lights	Sonoma County																		
(c) Sonoma County Airport Runway/taxiway marking and lights	Sonoma County																		
(d) Cloverdale Airport Acquire avigation easements	City of Cloverdale																		
(e) Sonoma County Airport Security fencing	Sonoma County																		
TOTAL CALIFORNIA AID TO AIRPORTS PROGRAM - SONOMA COUNTY																			

TRANSPORTATION IMPROVEMENT PROGRAM

ITEM	COSTS (000)						PROGRAM YEAR					ENVIRONMENTAL DOCUMENT		REMARKS	PRIORITY
	CURRENT COST				ESCALATION RATE %	ESCALATED COST	ANNUAL ELEMENT 1979-80	1980-81	1981-82	1982-83	1983-84	TYPE	STATUS		
	FEDERAL	STATE	LOCAL	TOTAL											
(a)		18	2	20	8	22		22							
(b)	227	28	28	283	8	331			331 (265)						
(c)		27	3	30	8	35				35					
(d)		32	4	36	8	48					48				
(e)	144	18	18	180	8	245					245 (196)				
	271	123	55	549		681		22	331 (265)	35	293 (196)				

( ) FEDERAL AMOUNT

April 1, 1979
MTC Regional Program Priority Listing

CALIFORNIA AID TO AIRPORTS PROGRAM

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Priority Number	County	Airport Name	PROJECT DESCRIPTION	Implementing Agency	Fiscal Year Schedule (Right-of-Way & Construction)	State Share of 1/79 Cost (000)	Escl. Rate	Total Escl. Cost (000)	State Share of Escalated Cost (000)
1.	Alameda	Hayward	Reconstruct runway and taxiway lights	City of Hayward	1979-80	72	8	80	72
2.	Alameda	Oakland Metro	Overlay aircraft parking ramps	Port of Oakland	1979-80 1980-81 1982-83 1983-84	360	-	470	423
3.	Alameda	Oakland Metro	Construct new tiedown aprons and utilities	Port of Oakland	1981-82	60	8	698	70
4.	Santa Clara	South County	Construct new runway and lights	Santa Clara County	1980-81	50	8	540	54
5.	Santa Clara	South County	New aircraft parking (West and tiedown)	Santa Clara County	1981-82 1982-83	90	8	1,091	109
6.	Santa Clara	South County	New aircraft parking (South tiedown)	Santa Clara County	1982-83 1983-84	160	8	2,096	210
7.	San Mateo	San Carlos	Overlay runway and taxiway	San Mateo County	1980-81	135	8	162	146
8.	Santa Clara	Palo Alto	Resurface taxiway and apron	Santa Clara County	1980-81	270	8	324	292
9.	Santa Clara	San Jose Muni	Runway 2a widening, extension and lighting	City of San Jose	1981-82	80	8	931	93
10.	Contra Costa	Buchanan	Strengthen taxiway C	Contra Costa Co.	1979-80	23	-	25	23
11.	Contra Costa	Buchanan	Acquire approach protection (14R & 14L)	Contra Costa Co.	1979-80	105	-	1,050	105
12.	Alameda	Livermore	Land acquisition - East Clear Zone & approach	City of Livermore	1979-80	17	-	168	17
13.	Alameda	Livermore	Lane acquisition - West Clear Zone	City of Livermore	1979-80	25	-	245	25
14.	Marin	Gnoss	Reprofile runway and taxiway	Marin County	1979-80	23	-	225	23

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April 1, 1979
MTC Regional Program Priority Listing

CALIFORNIA AID TO AIRPORTS PROGRAM

(continued)

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Priority Number	County	Airport Name	PROJECT DESCRIPTION	Implementing Agency	Fiscal Year Schedule (Right-of-Way & Construction)	State Share of 1/79 Cost (000)	Escl. Rate	Total Escl. Cost (000)	State Share of Escalated Cost (000)
15.	Contra Costa	New Airport	Land acquisition	Contra Costa Co.	1979-80	125	-	1,247	125
16.	Contra Costa	New Airport	Construct runway and taxiway	Contra Costa Co.	1980-81 1981-82	101	8	1,130	113
17.	Santa Clara	San Jose Muni	Apron construction (partial)	City of San Jose	1982-83	20	8	252	25
18.	Santa Clara	San Jose Muni	Taxiway extension and lighting (partial)	City of San Jose	1983-84	66	8	900	90
19.	Contra Costa	Buchanan	Construct runway 19-R safety area	Contra Costa Co.	1981-82	27	8	35	32
20.	San Mateo	San Carlos	Acquire additional approach area	San Mateo County	1981-82	20	8	233	23
21.	Napa	Napa County	Reconstruct aircraft parking	Napa County	1979-80	32	-	35	32
22.	Sonoma	Sonoma County	Remove obstructions	Sonoma Co.	1980-81	18	8	22	19
23.	Sonoma	Sonoma County	Runway, taxiway markings and lights	Sonoma Co.	1982-83	27	8	35	32
24.	Napa	Napa County	Acquire approach area - East side	Napa County	1979-80	40	-	396	40
25.	Alameda	Livermore	Land acquisition South side airfield development	City of Livermore	1979-80	110	-	168	110
26.	San Mateo	San Carlos	Runway extension	San Mateo County	1980-81	34	8	363	36
27.	San Mateo	San Carlos	Land acquisition (Piombo #1)	San Mateo County	1979-80	45	-	450	45
28.	Alameda	Livermore	Northwest apron expansion	City of Livermore	1980-81	20	8	221	22
29.	Alameda	Livermore	Northeast apron taxiway extension	City of Livermore	1980-81	10	8	109	11

(continued on next page)

April 1, 1979
MTC Regional Program Priority Listing

CALIFORNIA AID TO AIRPORTS PROGRAM
(continued)

TRANSPORTATION IMPROVEMENT PROGRAM

MTC Priority Number	County	Airport Name	PROJECT DESCRIPTION	Implementing Agency	Fiscal Year Schedule (Right-of-Way & Construction)	State Share of 1/79 Cost (000)	Escl. Rate	Total Escl. Cost (000)	State Share of Escalated Cost (000)
30.	San Mateo	San Carlos	Aircraft parking (Parcel #1)	San Mateo County	1980-81	11	8	119	12
31.	San Mateo	San Carlos	Aircraft parking (Parcel #2)	San Mateo County	1981-82	30	8	349	35
32.	Marin	Gnoss	Expand tiedown apron	Marin Co.	1979-80	12	-	120	12
33.	Solano	Nut Tree	Land acquisition - North approach	Solano County	1980-81	17	8	178	18
34.	Santa Clara	Palo Alto	Reconstruct existing levee	Santa Clara Co.	1982-83	48	8	605	61
35.	Santa Clara	Palo Alto	Construct east runway, taxiway and ramp	Santa Clara Co.	1983-84	58	8	748	75
36.	Alameda	Livermore	Parallel runway and connecting taxiway	City of Livermore	1981-82	23	8	269	27
37.	Marin	Gnoss	Land acquisition - crosswind runway & clear zone	Marin Co.	1982-83	113	8	1,424	142
38.	Marin	Gnoss	Site preparation for crosswind runway/ taxiway	Marin Co.	1983-84	38	8	510	51
39.	Napa	Napa County	Future airport development	Napa Co.	1980-81	23	8	248	24
40.	Napa	Napa County	Construct additional aircraft parking	Napa Co.	1981-82	135	8	175	158
41.	Sonoma	Sonoma County	Construct new runway and taxiway	Sonoma Co.	1981-82	28	8	331	33
42.	Alameda	Hayward	Eastside taxiway drainage	City of Hayward	1980-81	77	8	92	83
43.	San Mateo	Half Moon Bay	Construct new tiedowns #2	San Mateo County	1981-82	4	8	47	5
44.	San Mateo	Half Moon Bay	Construct new transient tiedowns	San Mateo County	1981-82	2	8	25	3

(continued on next page)

April 1, 1979
MTC Regional Program Priority Listing

TRANSPORTATION IMPROVEMENT PROGRAM

CALIFORNIA AID TO AIRPORTS PROGRAM
(continued)

MTC Priority Number	County	Airport Name	PROJECT DESCRIPTION	Implementing Agency	Fiscal Year Schedule (Right-of-Way & Construction)	State Share of 1/79 Cost (000)	Escl. Rate	Total Escl. Cost (000)	State Share of Escalated Cost (000)
45.	Solano	Nut Tree	South Apron Extension	Solano Co.	1981-82	9	8	205	21
46.	Contra Costa	Buchanan	Construct holding aprons	Contra Costa Co.	1981-82	5	8	58	6
47.	Contra Costa	Buchanan	Install taxiway E & J Lighting	Contra Costa Co.	1982-83	9	8	107	11
48.	Alameda	Hayward	Construct high speed turnoffs	City of Hayward	1983-84	32	8	431	43
49.	Napa	Napa County	Extend taxiway and add runup apron	Napa Co.	1981-82	18	8	50	45
50.	Napa	Napa County	Apron taxiway	Napa Co.	1982-83	36	8	157	16
51.	Solano	Nut Tree	Construct parallel taxiway	Solano Co.	1983-84	12	8	157	16
52.	Solano	Nut Tree	Creek relocation and culvert relocation and culvert	Solano Co.	1982-83	6	8	80	8
53.	San Mateo	Half Moon Bay	Displaced runway thresholds	San Mateo County	1980-81	14	-	16	15
54.	Sonoma	Cloverdale	Acquire avigation easements	City of Cloverdale	1983-84	32	-	48	43
55.	Sonoma	Sonoma County	Security Fencing	Sonoma County	1983-84	18	-	245	25
56.	Contra Costa	Buchanan	Install noise monitoring	Contra Costa Co.	1983-84	90	-	136	122
			REGIONAL TOTAL - CALIFORNIA AID TO AIRPORTS			3,065		20,631	3,587

STATUS OF MAJOR TRANSIT PROGRAMS

STATUS OF MAJOR TRANSIT PROGRAMS

Introduction

Section 8177(b)(7) of the California Administrative Code requires that the Regional Transportation Improvement Programs submitted to the California Transportation Commission (CTC) contain a status report on major transit projects. Within the MTC there are six major transit operators and several smaller operations which come under the purview of the MTC.

Capital programs for these operators are included in the Five Year Transportation Improvement Program (TIP) which the Commission annually adopts in June as required under federal regulations to maintain regional funding eligibility. The MTC is just now in the process of preparing its Federal TIP for the coming five years and the latest information will not be available until late spring. In order to meet the CTC April 1st deadline for RTIP submission, the following summary status report on transit operations has been drawn from the current FY 1978-79 Five Year TIP. Information regarding revisions to this status report will be available to the CTC upon completion and adoption of the Federal TIP in June.

The following descriptions focus on the capital programs for the operators. An equally important consideration in the provision of transit services is the development of a sound program for financing operations. In December 1976, MTC adopted a series of recommendations to insure adequate transit financing in the bay region. A number of events since that time has raised questions about the adequacy of transit financing. The most important of these was the passage of Proposition 13 which significantly reduces the resources available at transit. MTC is now addressing those concerns.

SAN FRANCISCO MUNICIPAL RAILWAY (S. F. Muni)

The S. F. Muni currently operates 1,050 transit vehicles in four modes: streetcar, trolley coach, bus and cable car.

S. F. Muni's projected operating costs for FY 1978-79 through 1982-83 five year total exceeds $466 million, second only to BARTD in total. Operating revenues are expected to cover less than one-third of this total amount. Major local tax support is incorporated in the five year operating plan totaling over $151 million and is derived primarily from city and county taxes. In addition, federal assistance programs are expected to be about $40 million during this five year period. State TDA support is expected to continue at about the same level, with the majority of this source going to capital improvements.

S.F. Muni's five year capital programming through FY 1982-83 comprises $185 million in projects, again making it second to BARTD in budgeted expenditures. Projects scheduled for completion include:

Revenue Vehicles - $35 million is budgeted to purchase five additional light rail vehicles (LRV); fleet replacement entailing 100 articulated coaches; 65 motor coaches and 15 electric trolley coaches.

Construction/Land Acquisition - $116 million is budgeted to include new or rebuilt maintenance and non-guideway facilities for bus and rail operations including a new administration center; rerailing and related right-of-way modifications for the surface sections of metro and cable car system, construction of the Forest Hill Station and new power distribution system for trolley buses and Muni Metro.

Support Facilities and Equipment - $34 million is budgeted for a variety of support items including maintenance vehicles, communications systems, and start-up costs for Muni Metro. This amount also includes a $10 million allowance for elderly and handicapped accessibility improvements.

For more specific detail on S. F. Muni Operations and Capital Improvement Program refer to MTC TIP for FY 1978-79.

SAN MATEO TRANSIT DISTRICT (SamTrans)

SamTrans currently operates over 200 transit vehicles on 67 routes including six regional north-south routes. In addition to fixed route service, the District provides a demand-responsive service for the mobility impaired.

SamTrans projected operating costs for FY 1978-79 through 1982-83 five year total exceeds $76 million. Operating revenues are expected to cover about one-quarter of this amount. The major public financial support will be derived from the state TDA fund ($49 million), and UMTA Section 5 grants.

SamTrans' Five Year Capital Improvement Program comprises $59 million in projects. Projects scheduled for completion include:

Revenue Vehicles - $42 million is budgeted for fleet replacement of 203 motor coaches.

Construction/Land Acquisition - $13.1 million is budgeted for construction and land acquisition. This amount includes $8.4 million for construction of a bus maintenance facility. $4.7 million is budgeted for land acquisition, including the acquisition of five park-and-ride lots.

Support Facilities and Equipment - $3.9 million is budgeted for a variety of support items including communication systems, fare collection, bus stop shelters and benches.

SamTrans participated in the Pentap Transit Alternatives Project (PENTAP) and is supporting Phase I which is the discount fare program for Southern Pacific Commuter Rail service. SamTrans will be participating in subsequent phases to upgrade this service.

For more specific detail on SamTrans Operating and Capital Improvement Program refer to MTC TIP for FY 1978-79.

SANTA CLARA COUNTY TRANSIT DISTRICT (SCCTD)

SCCTD currently operates 234 revenue transit vehicles: 224 employed in traditional fixed-route service and ten "maxi-vans" employed in a demand-responsive mode in low income, low mobility areas. The District operates 42 local routes and one express route. Two routes are oriented to serve the needs of the elderly and handicapped using four transit vehicles equipped with passenger lifts. Daily weekday ridership averages 40,000 passengers.

SCCTD projected operating operating costs for FY 1978-79 through 1982-83 five year total exceeds $305 million. Operating revenues are expected to cover less than one-fifth of this total amount. The major local public financial support will be derived from ½¢ sales tax initiated by the District ($181 million) and the continuation of TDA ($102 million) as the primary financing mechanism for operations. In addition, the plan proposes to fully utilize UMTA Section 5 funds available to the San Jose urbanized area. Since SCCTD is the only public transit operating within the area, it can receive the entire amount totaling some $36 million.

SCCTD's Five Year Capital Improvement Program comprises $56 million in projects. Projects scheduled for completion include:

Revenue Vehicles - $38 million is budgeted for revenue vehicles. This amount includes $22 million for fleet expansion of 200 buses and $16 million for fleet replacement of 134 buses. These acquisitions are presently underway.

Construction/Land Acquisition - $8 million is budgeted to include the development of a transportation administration center in support of bus system expansion.

Support Facilities and Equipment - $10 million is budgeted for a variety of support items including maintenance vehicles, communication systems, fare collection, maintenance equipment and passenger shelters.

Santa Clara participated in the Pentap Transit Alternatives Project (PENTAP) and is supporting Phase I which is the discount fare program for Southern Pacific Commuter Rail service. Santa Clara will be participating in subsequent phases to upgrade this service.

For more specific detail on SCCTD's Operating and Capital Improvement Program refer to MTC TIP for FY 1978-79.

NORTHBAY TRANSIT OPERATORS (NBTO)

The NBTO consists of the cities of Fairfield, Santa Rosa, and Vallejo. The NBTO currently operates 31 transit vehicles. The cities of Santa Rosa and Vallejo operate 26 transit vehicles on twelve routes while the City of Fairfield operates five transit vehicles in a demand-responsive mode. In addition, both the cities of Fairfield and Vallejo provide subsidized taxi service for the elderly and handicapped.

The NBTO projected operating costs for FY 1978-79 through 1982-83 five year total exceeds $14 million. Operating revenues are expected to cover less than 20% of this total amount. The major sources of public finance include the state TDA fund ($5 million), UMTA Section 5 grants ($2.6 million) and property tax ($900,000).

The NBTO Five Year Capital Improvement Program comprises in projects:

Revenue Vehicles - $2.6 million is budgeted for revenues vehicles. This amount includes $2 million for fleet expansion of 32 vehicles and $500,000 for fleet replacement of five vehicles.

Construction/Land Acquisition - $1.6 million is budgeted for construction and land acquisition. This amount includes $600,000 for bus maintenance facilities in Santa Rosa, $850,000 for a multi-modal terminal in Vallejo, and a variety of maintenance shop replacement and expansion.

Support Facilities and Equipment - $1 million is budgeted for a variety of support items including communication systems, fare collection, bus stop shelters and benches.

For more specific detail on the NBTO's Operating and Capital Improvement Program refer to MTC TIP for FY 1978-79.

GOLDEN GATE BRIDGE, HIGHWAY AND TRANSPORTATION DISTRICT (GGBHTD)

GGBHTD is a special district of the State of California which operates and maintains the Golden Gate Bridge and provides public transit bus services within Marin and Sonoma Counties, between San Francisco, Marin and Sonoma Counties. The District presently operates 248 buses and three ferries.

GGBHTD's projected operating costs for FY 1978-79 through 1982-83 five year total is $128 million with $56 million (or 44%) being derived from operating revenues. The $72 million deficit will be made up of TDA ($28 million) and bridge tolls ($36 million) with UMTA Section 5 providing an additional $2 million.

The District five year capital programming through FY 1982-83 will require $24 million. Projects scheduled for completion include:

Revenue Vehicles - $18 million is budgeted for vehicle replacement, and vehicles to be purchased include intercity coaches with restrooms, advanced design buses, main ferry shaftline and lifts to retrofit existing vehicles.

Construction/Land Acquisition - $2.8 million is budgeted for construction and land acquisition, including purchase of right-of-way of Western Pacific Railroad, a storage facility in San Rafael, construction improvements to Sausalito ferry terminal and design and construction of San Rafael terminal.

Support Facilities and Equipment - $2.7 million is budgeted for support facilities and equipment and includes FARE implementation service vehicle replacement purchase, purchase installation of shelters in San Francisco, and purchase and installation of fare collection equipment.

For more specific detail on GGBHTD's Operating and Capital Improvement Program refer to MTC TIP for FY 1978-79.

ALAMEDA-CONTRA COSTA COUNTY TRANSIT DISTRICT (AC TRANSIT)

The AC Transit District consists of Special Transit Service District No. 1 and No. 2.

Special Transit Service District No. 1 includes portions of both Alameda and Contra Costa Counties and encompases the cities of Alameda, Albany, Berkeley, El Cerrito, Emeryville, Hayward, Oakland, Piedmont, Richmond, San Leandro, San Pablo and the major unincorporated areas of Ashland, Castro Valley, El Sobrante and San Lorenzo. AC Transit provides an extensive local transit network covering this area as well as express service and transbay service to San Francisco.

Special Transit Service District No. 2 is contained within the boundaries of the cities of Fremont and Newark in Alameda County. A new system design including mini-fixed routes and selected non-commute hour Dial-A-Ride zones was inaugurated in 1976 in this two city area. The design complements an existing seven-route network with twelve mini-fixed routes operating on a 30-minute frequency during the morning and evening commute hours. Off-peak Dial-A-Ride operates on a zonal basis, within the twelve zones into which the areas was divided. Zonal Dial-A-Ride offers a twenty minute response time during midday/ weekdays and forty minutes during all other off-peak times. In addition, AC Transit provides service in suburban Contra Costa County under contract with four jurisidctions.

AC Transit operates 76 fixed-routes and twelve mini fixed-routes in Districts 1 and 2, as well as a zonal Dial-A-Ride service in District 2 during off-peak hours. It also operates 23 fixed-routes under contract with BARTD, City of Concord, City of Pleasant Hill, Orinda-Moraga-Lafayette, Western Contra Costa Transit Authority and the Eastern Contra Costa Transit Authority.

There are currently 837 buses in AC Transit's fleet, including 30 articulated buses, small (25 foot) coaches and standard size transit coaches.

AC Transit's projected operating costs FY 1978-79 through 1982-83 five year total exceeds $341 million. Operating revenues are expected to cover one-third (33%) of this total amount. The $232 deficit will be made up of TDA ($115 million), ½¢ Sales Tax ($36 million), UMTA Section 5 grants ($37 million), Property Tax ($32 million), contractual services ($11 million) and $1 million from auxiliary revenues.

The District's five year capital programming through FY 1982-83 will require $93 million. Projects scheduled for completion include:

Revenue Vehicles - $71 million is budgeted for fleet replacement of 478 vehicles with advanced design, lift-equipped diesel buses.

Construction/Land Acquisition - $15 million is budgeted for construction and land acquisition, including expansion and improvement of maintenance facilities in District No. 1.

Support Facilities and Equipment - $7 million is budgeted for support facilities and equipement including maintenance vehicles, communication systems, bus stop shelters, benches and office equipment.

For more specific detail on AC Transit Operations and Capital Improvement Program refer to MTC TIP for FY 1978-79.

BAY AREA RAPID TRANSIT DISTRICT (BARTD)

BARTD provides rapid rail transit service to three counties (Alameda, Contra Costa, and San Francisco), plus Daly City in northern San Mateo County. The rail system consists of 71 miles of double track and 34 stations plus yards and maintenance facilities and general offices in downtown Oakland. BARTD presently operates three routes (Concord-Daly City, Fremont-Daly City, and Fremont-Richmond). Service is provided seven days per week, from 6 a.m. (9 a.m. Sundays) to 12 midnight. Service frequencies vary from twelve minutes to twenty minutes on each route depending on time of day and day of week.

BARTD carried approximately 140,000 average weekday passengers in FY 1977-78.

BARTD also provides express bus services on five routes from outlying communities in Alameda and Contra Costa Counties to several BARTD stations. The service is operated by AC Transit under the contract to BARTD.

BARTD's projected operating costs for FY 1978-79 through 1982-83 five year total exceeds $476 million, making it the largest operation in the Region in terms of budget. Operating revenues are expected to cover two-fifths (40%) of this total amount. The major local public financial support will be derived from $\frac{1}{2}$¢ sales tax initiated by the state legislature ($301 million), property tax ($5 million) and auxiliary revenues ($2.4 million).

BARTD's Five Year Capital Programming through FY 1982-83 comprises $293 million, again making it the largest capital improvement program in the Region. BARTD's Five Year Capital Improvement Program primarily focuses on improving system performance and reliability through an improved maintenance capability and the modification of various vehicle and train control subsystems. Major projects in the Five Year TIP include:

Revenue Vehicles - Replacement of transit vehicle seat cushions; propulsion motor modernization to increase life cycle; and design and procurement of additional transit vehicles.

Construction/Land Acquisition - Design and installation of an additional track (KE) in the Oakland Wye; mainline electrification modifications; a rail replacement program; additional escalators in stations; and sound abatement projects.

Support Facilities and Equipment - Design and prototype hardware of a new central train control computer system and replacement of system signal cables; modifications to various transit vehicle subsystems; improved passenger communications and signing; replacement and/or improvement of automatic fare collection equipment; additional maintenance equipment and facilities including expansion of the Oakland shop; and improved in-house graphics and printing support.

These projects constitute the bulk of BARTD's current five year capital improvement program. The recent transbay tube fire and the resulting proposed system modifications may result in some major revisions in the BARTD capital program for the upcoming five year period.

For more specific details on BARTD's Operations and Capital Improvement Program refer to the MTC TIP for FY 1978-79.

AIR QUALITY ANALYSIS

AIR QUALITY ANALYSIS OF THE RTIP

Introduction

An evaluation of the air quality impacts of the regional TIP is required by Section 8113 (c) of the California Administrative Code. This evaluation must include: 1) a reconciliation of transportation projects in the applicable State Implementation Plan with the regional TIP, and 2) an analysis of the overall changes in transportation emissions which are projected to occur as a result of the TIP. This chapter will address these requirements. A status report on the transportation controls in the adopted Non-Attainment Plan is presented first. Following that is the air quality evaluation of the TIP, which is organized by the different classes of highway projects.

Adopted Transportation Controls

Preparation of an Air Quality Plan for the Bay Area began in 1976, as a joint effort by three regional agencies; the Association of Bay Area Governments (ABAG), the Bay Area Air Quality Management District (BAAQMD) and MTC. A comprehensive emissions inventory was compiled and baseline projections were made. This revealed that the vehicle emission controls alone would substantially reduce automobile pollution in future years, despite the projected growth in traffic. In 1975, light-duty vehicles were responsible for 37% of the hydrocarbons emitted in the Bay Area. By 1985, this will decline to 17%. Because of cleaner cars, restrictive transportation controls become less important in future years. Similarly, small changes in the highway system will have almost no measurable air quality effect as the cleaner cars are phased in.

The Bay Area Non-Attainment Plan was adopted and sent to the California Air Resources Board (CARB) in January of this year. After review, the CARB will send it to the U.S.E.P.A., which must approve or disapprove it by July of this year. The Plan contains five transportation control measures which were adopted by MTC.

The first of these measures is a preferential parking program for carpools and vanpools, which is currently being implemented. Caltrans operates a number of fringe parking lots for carpool and transit users. Caltrans also has a demonstration

program providing carpool parking (approximately 500 spaces) in downtown San Francisco at $10 per month for each space -- which is currently in the evaluation phase. Other jurisdictions are also providing preferential carpool parking.

The second transportation measure is a transit improvement strategy, which is also in the implementation stage. A wide range of transit improvements are programmed in the current TIP. On the basis of these improvements, each of the transit operators has adopted a ridership target for 1982. The sum of these targets will be sufficient to achieve a 1.3 ton HC reduction claimed for this measure (see "Analysis of Transportation Control Measures for the Oxidant Element of the S.F. Bay Area Air Quality Maintenance Plan," December, 1978, for documentation of the relationship between ridership increase and HC reduction). MTC also continually seeks additional funding for transit improvements not yet programmed in the TIP.

The third transportation measure calls for the provision of high-occupancy vehicle lanes and/or ramp metering. The current TIP recommends improvements in virtually all of the congestion locations identified in the "Program for Preferential Treatment for High-Occupancy Vehicles in the San Francisco Bay Area" (Caltrans District 4, July, 1975). Further study is required on a number of the Interstate Highway projects. For example, the need for HOV facilities on Route 580 between Castro Valley and the Bay Bridge is currently under study. Preliminary recommendations are under review. A study of preferential treatment on I-80, between the Carquinez and Bay Bridges, is to begin in 1979.

The fourth measure deals with ride-sharing services. A non-profit corporation was set up in late 1977 to expand the ride-sharing services which have been provided by Caltrans. This agency is funded by the State Energy Commission, Caltrans District 04, and MTC. Two programs are currently underway. One is a carpool-matching program targeted to specific employers. The second is a vanpooling program where the agency leases vans to the participants. Funding for this agency and for other efforts in Santa Clara County is included in this year's TIP. The Golden Gate Bridge District is also involved in a number of carpool-matching efforts. One carpool-matching effort, recently funded by MTC, is the Casual Carpool Program for commuters in Marin and Sonoma counties.

The final measure calls for provision of facilities to encourage bicycling, particularly for commute or utilitarian purposes. Although some bicycle facilities are shown in this year's TIP, more planning is needed by the multiplicity of involved agencies. Local planning and implementation of bicycle systems will be the responsibility of individual cities, counties, transit operators and others. MTC will develop a framework for the overall system, and then coordinate the development of the local elements into a regional bicycle plan. It is anticipated that the planning will be completed by January of 1980, and implementation commitments secured by July of 1980.

Evaluation of the TIP

A complete air quality analysis of each project in the TIP would be an expensive, time-consuming assignment with little credibility. Individual changes in the highway and transit systems would need to be coded into a computer travel model. The model would then be run for the build and no-build alternatives and the changes in speeds and vehicle-miles-traveled (VMT) would be determined. The emission difference could then be calculated. However, it would be difficult to justify this large-scale effort on the basis of the expected results. Because of the phase-in of cleaner cars, the small changes in VMT and speeds produced by the majority of projects in the TIP would have no measurable effect on air quality.

Accordingly, it was decided to review projects by overall grouping; for example, resurfacing projects, new interchanges, etc. In this way, several complete groups could be eliminated as potential air quality concerns. For the remaining categories with possible adverse air quality impacts, the individual projects were analyzed. Whenever possible, air quality reports prepared for individual projects were used to determine the impacts. In certain cases, such as the ramp metering projects, reports on the general impacts of that type of project served as the basis of the evaluation. Finally, for those projects where specific data was not yet available, a qualitative evaluation indicated the probable direction and relative magnitude of the air quality impact.

Because of the nature of the analysis, no attempt was made to sum the individual impacts to produce a single number for the entire TIP. Each project has particular variables, which lead to a range of air quality impacts. Any attempt to add these ranges would compound the uncertainty. However, projects with a potential negative impact were offset by projects with positive air quality impacts.

Some projects included in the TIP are scheduled for construction beyond the five-year time frame of the current program. Such projects were not included in the air quality analysis. Other, lump sum reserves, were also excluded from the analysis.

Four general categories of projects were reviewed. The first three categories are based on divisions contained in the State TIP. These are 1) rehabilitation projects (HA series), 2) operational improvements (HB series) and 3) new facilities (HE series). The fourth general category includes the Federal-Aid-Urban projects.

I. Rehabilitation Projects

Examples of projects in this category include roadway reconstruction, major damage restoration and highway planting restoration. Since virtually no change in highway capacities or speeds would result, they were estimated to have no air quality impacts.

II. Operational Improvements

Many types of projects in this category involve safety improvements and noise attenuation; and again, these projects were judged to have no air quality impacts. Three types of projects, however, warrant more detailed review. These types are: a) Freeway Congestion Relief Projects (HB 42); b) Freeway Traffic Service Projects (HB 43), and c) Conventional Highway/Expressway Projects (HB 44).

A. Freeway Congestion Relief Projects (HB 42)

This type includes ramp metering projects and high occupancy vehicle (HOV) lane projects.

a. Ramp Metering

In assessing the air pollution effect of ramp metering projects, it was decided to prorate the pollutant burden from "An Assessment of the Impact of Ramp Metering on Air Quality and Energy Consumption," (Caltrans, District 07, July 1978). This Los Angeles Basin Study included an analysis of 1,000 metered on-ramps during the AM and PM peak traffic hours. The corridor area included freeways and city streets affected by the installation of ramp meters.

The 1985 projected emissions changes per metered ramp and per mile for ramp metering projects as compared with "no build" is as follows:

	CO	RHC	NO_x
Ramp Metering Only			
Tons/Ramp Meter	-.05	-.005	+.004
Tons/Mile	-.062	-.006	+.005
Ramp Metering with HOV Bypass Lanes			
Tons/Ramp Meter	-.073	-.007	+.0014
Tons/Mile	-.09	-.008	+.0017

- Ala-17 (389111) - Thornton Ave. to Oak St.

Ramp metering and HOV bypass lanes for 22 miles northbound (AM) and 12 miles southbound (PM). There are 42 ramp meters proposed; approximately 20 would include HOV bypass lanes. The pollutant changes would be:

CO	-2.6 tons/day
RHC	-0.25
NO_x	+0.12

- Ala-80/CC-80 (394491) - Emeryville and Richmond.

  It is estimated that there will be 12 metered ramps, half of which will have HOV bypass lanes. Emission changes are:

CO	-.73 tons/day
RHC	-.07
NO_x	+.03

- CC-680 (389371) - Walnut Creek and Concord.

  For this project the number of metered ramps has not yet been determined. Total directional miles will be 12. An estimated half of the metered ramps will have HOV bypass lanes. The estimated emission change is:

CO	-1.0 tons/day
RHC	-0.1
NO_x	+.04

- SCI-101 (396171, 389131) - Rte. 17 to San Mateo Co. line.

  There are 21 metered on-ramps southbound for 14 miles during PM peak hours. All metered ramps will be widened to provide preferential Bus/Carpool by-pass lanes. Estimated emissions changes are:

CO	-0.8 tons/day
RHC	-0.04
NO_x	+.06

- CC-680 (392781) - Concord Ave. Interchange.

  Estimated emissions changes are:

CO	-.05 tons/day
RHC	No change
NO_x	No change

b. HOV Lane Projects

For the HOV lane projects, the change in pollutant emissions between the project and the "no build" alternative were prorated from a Marin 101 study, "Evaluation Report, Bus/Carpool Lanes on Rte. 101 in Marin Co.," (Caltrans District 04, March 1977). This study reviewed the existing HOV lane, which extends approximately 7 miles in each direction. No significant difference in emissions between the mixed flow and the HOV lane condition was observed. The CO decreased by 0.31 tons, the RHC increased by 0.03 tons, and the NO_x increased by 0.04 tons.

- Rte. 580 (410961, 410921, 410911) - Dublin Canyon.

  HOV lanes for 13 directional miles. Estimated emissions changes are:

CO	-.28 tons/day
RHC	+.03
NO_x	+.04

- Mrn-101 (397841) - San Rafael.

  Estimated emissions changes for this 3.6 mile project are:

CO	-.08 tons/day
RHC	+.01
NO_x	+.01

- Ala-580 (380011) - HOV lanes from Rte 24 to the Bay Bridge.

  This project would allow high occupancy vehicles to bypass existing congestion. By providing a time savings to these vehicles, there would be a strong incentive for commuters to shift to buses and carpools. Environmental documentation has not been completed, but a moderate air quality benefit is expected.

B. Freeway Traffic Service Projects

- CC-680 (377111, 380871) - N. Main St. to Oak Park, Walnut Creek.

  Modify interchanges and local streets. The air quality report states that the project improvements will ease or reduce freeway, on- and off-ramp and local street congestion. The vehicle miles traveled (VMT) will remain about the same and the traffic speeds are estimated to increase by 5 to 10 MPH. Estimated emissions changes are negligible:

CO	-.03 to -.06 tons/day
RHC	No change
NO_x	No change

- Mrn-101 (391121) - Ignacio Boulevard.

  Modify interchange. The air quality report states that projected traffic volumes will remain the same. With only a slight increase in vehicle speeds, due to the project, there will be no significant change in vehicle emissions.

- CC-4 (399821) - Somerville Road, Antioch.

  Install signals and widen off-ramp. The VMT is not expected to change, and the speeds are estimated to increase 5 to 10 MPH - due to the smoother traffic flow with the project improvements. As a result, there will be no change in vehicle emissions.

A number of projects are estimated to have no change in VMT and either no change or a small increase in traffic speeds. These are listed as follows:

- CC-80 E.A. 380211 Reconstruct the Appian Way Interchange.

- CC-80 E.A. 380851 Southbound On-Ramp at Hercules.

- SCI-17 E.A. 381141 Channelize and Widen Off-Ramp at Shallenberger Dr.
- Son-101 E.A. 402011 Signalize and Channelize Rohnert Park Interchange.
- Sol-80 E.A. 108301 Revise Interchange.

C. Conventional Highway/Expressway Projects

- SCI-152 (389221) - Pacheco Pass.

  Widen a short segment from 3 to 4 lanes and provide safety improvements. This project will significantly improve the safety of the facility. No development impacts are anticipated nor is the capacity increased. The air quality effects will, therefore, be negligible.

- Sol-37 (028241) - Vallejo.

  Widen existing 2-lane sections between Sage St. and the Napa River Bridge. This would relieve existing peak hour congestion on this route. Environmental documentation is still needed, but any air quality impacts are likely to be quite small.

The remaining projects in this category were judged to have no effect on VMT or speed; thus, the air quality impacts are insignificant.

III. New Facilities

Three types of projects are discussed: a) New Connections and Cross-traffic Improvements (HE 11), b) New Highways (HE 14), and c) New Bicycle Facilities (HE 3).

A. New Connections and Cross-traffic Improvements

- CC-4 (120251) - East of Rte. 680 to Peralta Road.

  This 2.2 mile section of roadway will be widened from the existing two lanes to four lanes. The 1985 ADT is estimated to increase from 32,600 to 44,000. The emissions changes will be:

CO	+.15 tons/day
RHC	No change
NO_x	+.13 tons/day

- SCI-82 (151121) - Rte. 85 to Showers Drive.

  Widen a conventional 4-lane highway to a 6-lane, divided highway for 2.8 miles. Estimates are that vehicle speeds will increase from 20 to 30 MPH on the highway, but will remain the same for the local roads and streets. Overall, the VMT will not change. As a result of this project the pollutant changes would be:

CO	-0.1 tons/day
RHC	-0.08
NO_x	No change

- CC-4 (207241) - Rte. 80 to east of Willow Road.

  VMT, speeds, and vehicle mix are not expected to change; hence, there would be no change in air quality.

- SM-92 (134651) - Rte. 92/101 Interchange.

  Complete interchange and close freeway gap. Overall air quality is improved in the project proposal because vehicles could use more direct routes, thus reducing traffic congestion and emissions. Estimated emissions changes are:

CO	-1.3 tons/day
RHC	-0.1
NO_x	No change

- SF-280 (207011) - 3rd St. to Embarcadero.

  Construct ramps. There will be a slight decrease in VMT and a small increase in average speed, leading to slightly lower CO and HC, with little change in NO_X.

- SM-380 (220171) - S.F. Airport Connection.

  Ramps would be constructed to provide direct connections between I-380 and the S.F. Airport Terminal Interchange. This will improve the airport access, consistent with the Regional Airport Planning Committee's recommendations. No development impacts are anticipated. It is estimated that the air quality impacts will be minor.

- Ala-238 (391171) - Rtes. 17/238 Interchange.

  Provide westbound to southbound freeway-to-freeway connections. Currently, vehicles making this movement must use city streets. This connection will reduce delay and improve air quality. There is little potential for additional development in this area, so traffic increases are not expected. A small air quality benefit is expected.

The following projects are estimated to have no change in VMT and either no change or a small increase in traffic speeds:

- Ala-680 E.A. 288011 Vehicular Overcrossing, Pleasanton.
- CC-4 E.A. 385631 New Interchange at Standard Oil Avenue in Antioch.
- Son-101 E.A. 400761 Preston Overhead, replace bridges and new alignment.

B. New Highways

- SCl-101 (117321) - South of Cochran Rd. to North of Rte 52.

The project proposal is a 4-lane freeway for 11.4 miles. The Caltrans air quality analysis was made on a mesoscale area including local roads. Estimated emissions changes are:

CO	-1.2 tons/day
RHC	-.07
NO_X	+.27

- Ala-980 (399971) - Oakland.

  Extend the Grove-Shafter Freeway 3/4 mile to connect with Rte. 17. There will be a traffic shift from local streets but both VMT and speeds are predicted to increase. Estimated emissions changes are:

CO	-0.42 tons/day
RHC	-.01
NO_X	+.02

- Son-101 (121451) - Cloverdale Bypass.

  Construct bypass of the City of Cloverdale. This new, 4.4 mile segment will reduce delays on the Rte. 101 and remove through traffic from city streets. Estimated emissions changes are:

CO	-0.5 tons/day
RHC	-0.1
NO_X	+0.12

- Sol-12 (071601) - Fairfield Bypass.

- SCl-280 (402341, 402331) - Rtes. 680/280/101 Interchange in San Jose.

  The overcrossing structures have been partially constructed. These projects would build the structures and ramps and thus complete the interchange. Estimated emissions changes are:

CO	-0.24 tons/day
HC	-0.04
NO_x	+0.06

- Sol-141 (058321, 058341) - Vallejo.

  These projects would construct two segments of Rte 141 as a 4-lane city street near the Vallejo waterfront. These segments would provide access to the redeveloped waterfront area. The draft EIR notes that these projects will reduce VMT slightly by removing traffic from local streets. Vehicle idling would also be reduced, leading to a net improvement in air quality.

- Ala-580 (410981) - Dublin Canyon.

  Frontage road will be improved to eliminate bottleneck at the Grove Way, Center Street, and Crow Canyon Road interchange. VMT will not increase significantly and traffic speeds will increase by 5 to 10 MPH. Estimated emissions changes are:

CO	-0.75 tons/day
RHC	-0.03
NO_x	+0.04

- CC-180 - Hoffman Freeway in Richmond.

  Construct new freeway on Rte. 17 from I-80 to Marine St. in Richmond. The air quality analysis prepared by Caltrans states that the project will reduce CO and HC emissions in the mesoscale area by 5-10%, while increasing NO_x by 14-24%. The draft EIS thus concluded that the potential adverse air quality effects are minimal.

C. New Bicycle Facilities

There are a number of projects to construct bike lanes and other facilities. To the extent that these facilities offer an alternative to the automobile, they will enhance air quality. However, the actual amount of air quality enhancement was not quantified.

IV. Federal Aid Urban Projects

This final project category is funded by the Federal Aid Urban (FAU) program. The majority of projects in this category are relatively minor; thus, will not have measurable impacts on air quality. For the air quality analysis, each county's list of projects was reviewed. Those projects with a probable air quality benefit are listed, but the benefits are not quantified. The projects with a possible adverse impact are discussed and quantified when possible.

ALAMEDA CO.

Beneficial Projects

- Stanley Blvd., parking facilities for BARTD bus operation - City of Livermore.
- Rte. 80/University Ave., construct bicycle/pedestrian facilities - City of Berkeley.
- Bay Farm Island Bridge, bicycle and pedestrian facilities - Caltrans.

Project Discussion

- Murrieta Blvd. and Olivera Ave., in Livermore - Signalization and widening of approaches.

  It is not anticipated that this project would generate additional traffic; thus, the air quality impacts would be negligible.

- East Ave. in Livermore - Widen to a 4-lane, divided facility.

  This road is currently 4-lanes. The project would provide left-turn lanes, bicycle facilities and sidewalks. Air quality impacts are insignificant.

- Grove Way, Center St., and Crow Canyon Rd. - Listed under New Highways (Project #410981).

- San Leandro Blvd. - Widen between Davis and Castro Sts.

  This half-mile project will complete unwidened gaps, thus removing traffic bottlenecks. It will improve bus and BART access. A small air quality benefit is likely.

- Cherry St. in Newark - Reconstruct to provide 4-lane, divided facility.

  This 1-mile project will relieve peak hour congestion by providing better access to an adjacent heavy-industry area. Traffic would be diverted from adjacent streets. Bicycle lanes will be provided. It is anticipated that the air quality impacts would be minimal.

- Central Ave. in Newark - Widen to 4-lanes.

  This half-mile project will relieve an existing bottleneck and divert traffic from adjacent streets. Air quality impacts will likely be minor.

- Decoto Rd. in Fremont and Union City - Widen to 4-lanes.

  This 2.4 mile project will widen and channelize an existing 2- and 4-lane road. Significant diversion of traffic from other routes is expected. Air quality impacts are likely to be quite small.

- Maritime St. in Oakland - Reconstruct to 4-lanes.

  This project will improve access to the Oakland port facilities. Capacity will not be increased significantly and air quality impacts are estimated to be minimal.

- Ala-680/West Las Positas Blvd. - New overcrossing. Listed under New Connections and Cross-traffic Improvements (Project #288011).

- "D" St. in Hayward - Construct new, 4-lane facility.

  This 0.4 mile project will complete a major cross-town arterial. Although air quality data is not yet available, air quality impacts are not expected to be significant.

- Thornton Ave. in Fremont - Construct 4-lane, divided roadway.

  Estimates of air quality show CO decreasing by 0.3 tons/day and virtually no change in HC or NO_X.

CONTRA COSTA CO.

Project Discussion

- State Road 4 at Standard Oil Ave. - Construct ramps. Listed under New Connections and Cross-traffic Improvements (Project #385631).

- North Main St. in Walnut Creek - Widen. Discussed under Freeway Traffic Service Projects (Project # 377111).

- Interstate 80 at Appian Way - Revise interchange. Listed under Freeway Traffic Service Projects (Project #380211).

- San Pablo Ave. in San Pablo - Widen from Evans Ave. to Church Lane.

  This project would add a left-turn lane and bicycle lanes. A minor air quality improvement is expected.

- Buchanan Road in Pittsburg - Widen from Harbor St. to city limit.

  This project involves widening intersections to accommodate turning vehicles. Air quality impacts are estimated to be negligible.

- West 10th St. in Antioch - Widen to 4-lanes.

  Estimates of the air quality impact show CO increasing by .02 tons/day and HC and NO_x changing less than .01 tons/day.

MARIN CO.

Beneficial Projects

- Bus turnouts and benches - Marin Co. Transit District.
- Park-and-Ride lot, Lucas Valley - Golden Gate Bridge District/Caltrans.
- Bus stop, Rte. 101/N. San Pedro Rd. - Caltrans.
- Park-and-Ride lot, Alto - Golden Gate Bridge District/Caltrans.
- Bus commuter parking lot, Novato - Golden Gate Bridge District.

Project Discussion

- Ignacio Blvd. at Rte. 101. Discussed under Freeway Traffic Service Projects (Project #391121).

NAPA CO.

Project Discussion

- Linda Vista Ave. at Napa Creek - Bridge and street construction.

This project will connect two existing neighborhoods. By eliminating circuitous trips, it will reduce VMT and have a slight positive air quality impact.

SANTA CLARA CO.

Beneficial Projects

- Bus stop, signs and shelters - Santa Clara Co.
- Preferential transit treatment - Santa Clara Co.
- West Valley Transportation Corridor, Park-and-Ride lots - Santa Clara Co.
- Transit rail access improvement now - Santa Clara Co.
- Carpooling program - County/Caltrans.

Project Discussion

- White Road - Widen from 2 to 4 lanes between Story Rd. and Alum Rock Ave., and from 4 to 6 lanes between Ocala and Story Rd.

  The Environmental Study predicts a 10% increase in peak traffic volumes with this project. However, the speeds would be higher than in the no-build alternative; consequently, they predict a decrease in total emissions in 1990 with the project alternative. Estimated emissions changes are:

CO	-.06 tons/day
HC	No change
NO_x	No change

- Monterey Rd. between Curtner Ave. and Blossom Hill Rd. - Widen to 6 lanes. Described under New Connections and Cross-traffic Improvements (Project #151121).

- SCI-101/San Tomas Expressway Interchange - Widen expressway from 2 to 6 lanes.

  This project eliminates an existing bottleneck. VMT will increase; however, because of the reduced delay, the air quality is expected to improve. Estimated emissions changes are:

CO	-.25 tons/day
HC	-.03
NO_x	+.02

- SCI-87 - Extension of Guadalupe Freeway.

  This extension would be approximately two miles long. It would remove some traffic from local streets. An air quality evaluation has not yet been done; however, impacts are not expected to be large.

- San Tomas Expressway - Add 2 additional lanes.

  Present plans call for the designation of these lanes for high occupancy vehicles. This would result in a small, positive air quality impact.

SAN FRANCISCO CO.

Beneficial Projects

- Transit Preferential Streets Program - City.
- Lagunda Honda Blvd. - Forest Hill Station - City.
- Signs for bus stops - City.
- J-line connector - City.
- Vehicular access improvements, Glen Park BARTD Station - BARTD.

- Forest Hill Station reconstruction - City.
- Route and schedule display at Transbay Terminal - SAMTRANS.
- Route and schedule display at S.F. Airport - SAMTRANS.
- Duboce Ave. Transit Improvement Project - City.
- M-line extension - City.
- Duboce Ave. rerail - City.
- Golden Gate Transit shelters - GGBHTD.
- Escalator for Van Ness Station - City.
- Bike lane, 3.3 miles from Glen Park BART Station to Golden Gate Park - City.
- J-line rerail - City.
- Embarcadero roadway transit improvements - City.
- Embarcadero track extension - City.
- Cable car routes reconstruction - City.
- M-line rerail - City.
- K-line rerail - City.

Project Discussion

No projects were identified which might have an adverse air quality impact.

SAN MATEO CO.

Beneficial Projects

- Purchase of 12, 40-foot buses - SAMTRANS.
- Purchase of 8, 35-foot buses - SAMTRANS.
- Construct canopy over bus waiting area - BARTD.

Project Discussion

- Millbrae Ave. - Widen from 6 to 8 lanes.

  This section is approximately one-quarter mile long. The project is intended to eliminate delays and partially alleviate a railroad-crossing conflict. No additional traffic is anticipated, so the air quality impact will be positive.

- East 3rd Ave. - Widen roadway in San Mateo.

  This project would widen East 3rd from Rte. 101 to Mariner's Island Blvd., a distance of about 1.75 miles. This will serve as access to a new shopping center. Although an environmental analysis has not yet been done, it is anticipated that there will be a small adverse impact on air quality.

- El Camino Real - Widen to 6 lanes between Hickey Blvd. and Arroyo.

  It is anticipated that the VMT will increase very little and the speeds will increase by 7-10 MPH, resulting in virtually no change in emissions.

- Rte. 35 - Widen roadway between Sneath Lane and San Bruno Ave.

  The current 2-lane highway would be expanded to 4 lanes. This would eliminate an existing bottleneck but is not expected to generate additional traffic. Thus, the air quality impact would be quite small.

SOLANO CO.

Project Discussion

- Construct two segments of Rte. 141 in Vallejo. Discussed under New Highways (Projects #058321, #058341).

- "B" St. and E. Second St.; "E" St. - Provide new streets.

  These streets will serve the Benicia Marina area. After completion, "B" St. has a 1990 projected ADT of 4,000 vehicles and "E" St. would have 3,000 vehicles. Although the pollutant changes are not available yet, the projects are estimated to have only a small adverse impact on air quality.

SONOMA CO.

Beneficial Projects

- Bus shelters and fringe parking - GGBHTD.

Project Discussion

- West College Ave., Santa Rosa - Widen existing 2-lane road to 4 lanes, between Cleveland Ave. and Link Lane.

  This 0.5 mile segment would experience a daily traffic increase of approximately 9,300 vehicles. Estimated emissions change would be:

CO	+0.1 tons/day
RHC	+0.01
NO_x	+0.01

- Rohnert Park Expressway, Rohnert Park - Widen from 2 to 4 lanes between State Farm Drive and Snyder Lane.

ADT on this 1.3 mile segment would increase by about 16,000 - with peak hour speeds increasing by 10 MPH. Estimated emissions changes would be:

CO	+.25 tons/day
RHC	+.01
NO_x	+.05

- Santa Rosa Ave., Santa Rosa - Widen from 2 to 4 lanes between Bellevue and Yolanda Avenues.

  ADT on this three-quarter mile segment is expected to increase by approximately 5,000 vehicles. Estimated emissions changes are:

CO	+0.07 tons/day
RHC	No change
NO_x	+0.01

- Healdsburg Ave., Santa Rosa - Widen a 1-mile segment.

  ADT is expected to increase by about 5,000 vehicles. Estimated emissions changes are:

CO	+0.1 tons/day
RHC	+0.01
NO_x	+0.01

- West College Ave., Santa Rosa - Widen from 2 to 4 lanes between Link Lane and Stoney Point Rd.

  This 0.9 mile segment is expected to have a VMT increase of 3,000 vehicles. Estimated emissions changes are:

CO	+.05 tons/day
RHC	No change
NO_x	+.005 tons/day

- East Washington St., Petaluma - Widen from 2 to 4 lanes between Lakeville St. and Rte. 101.

  ADT on this .56 mile segment will increase by 4,000 vehicles. Estimated emissions changes are:

CO	+0.05 tons/day
RHC	No change
NO_x	No change

- Liberty St., Petaluma - Extend 2-lane road 0.28 miles.

  An ADT of 4,000 is expected. Estimated emissions changes are:

CO	+0.02 tons/day
RHC	No change
NO_x	No change

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